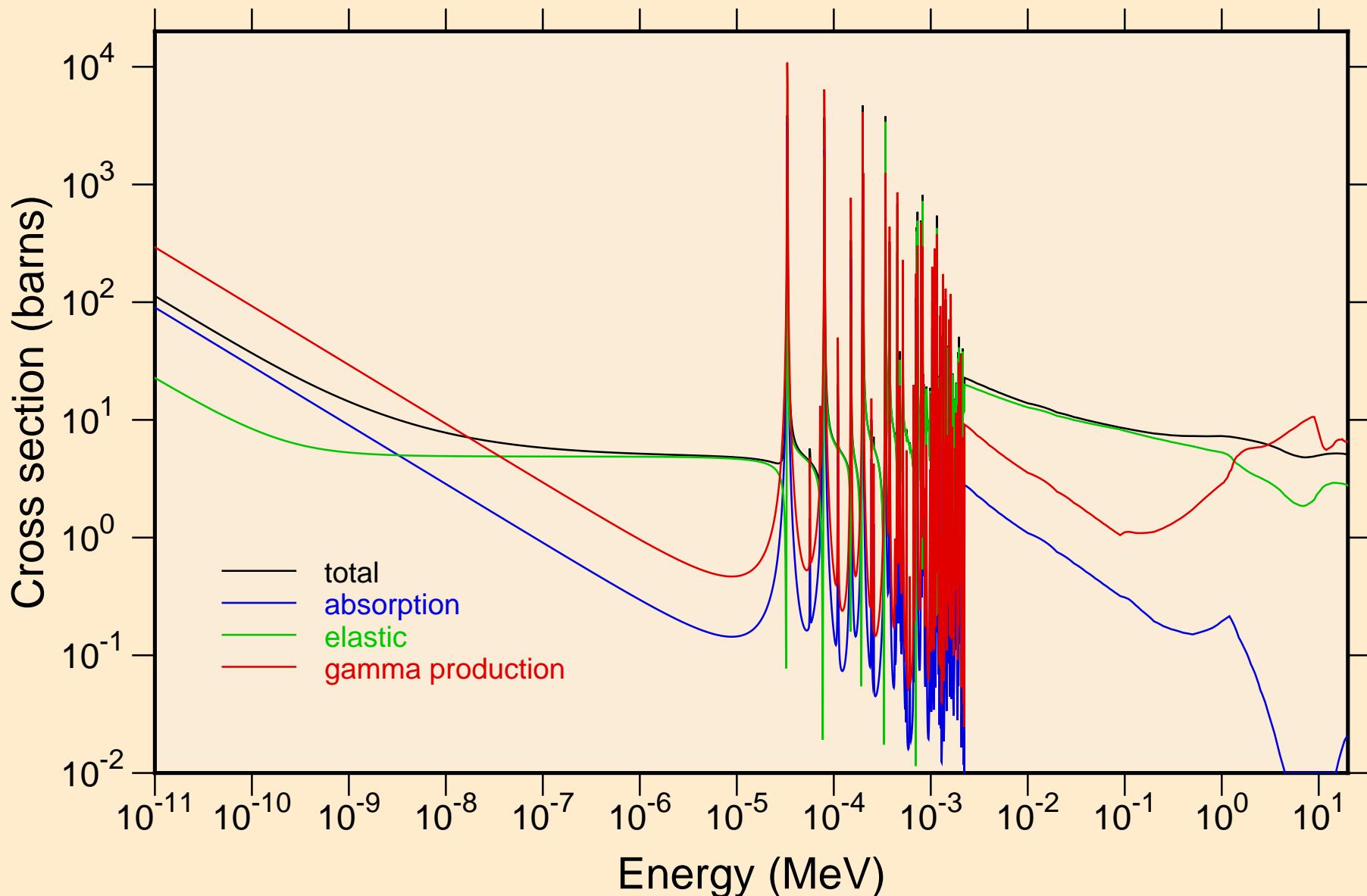
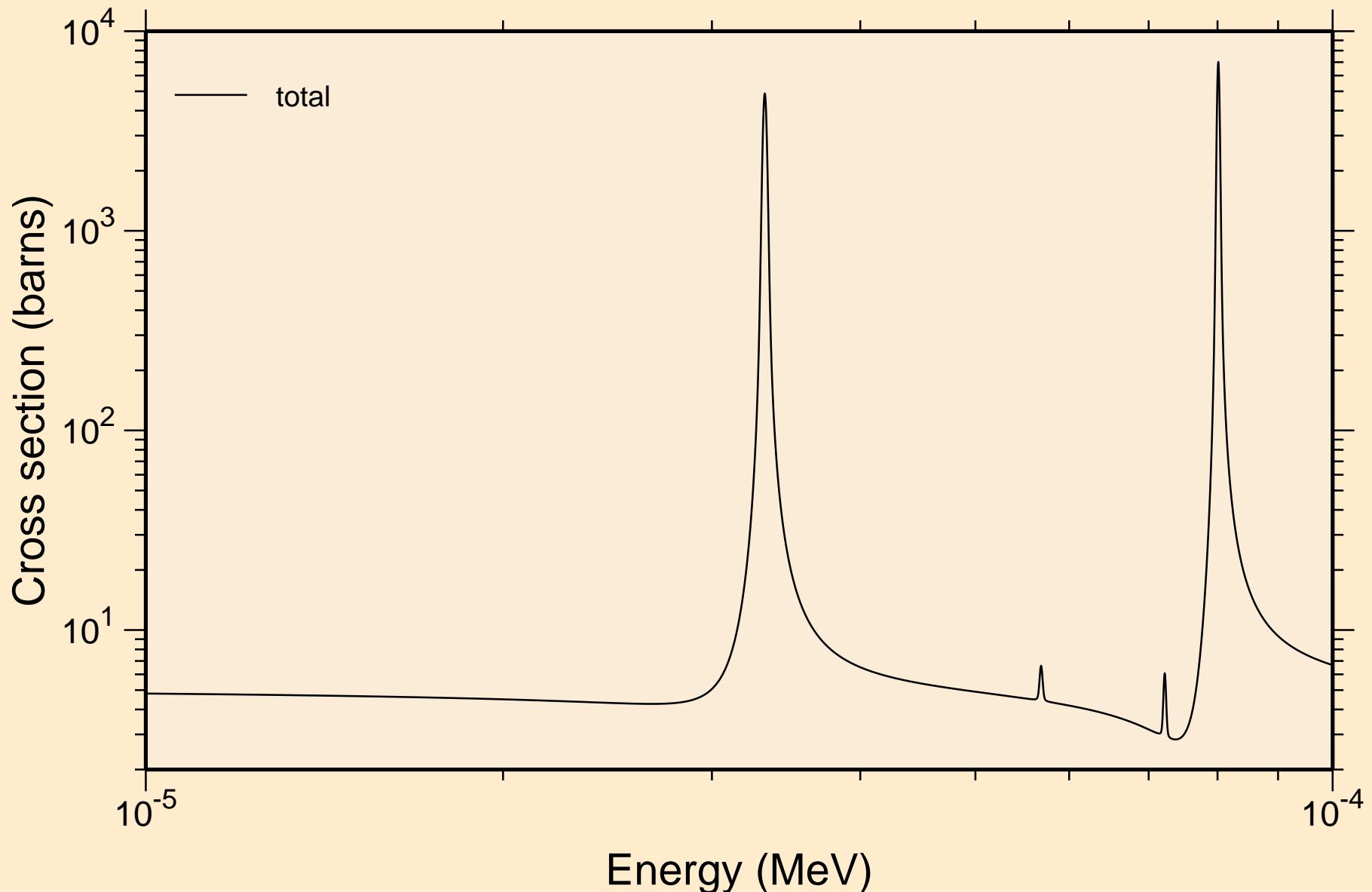


ENDF/B-VII GD-156

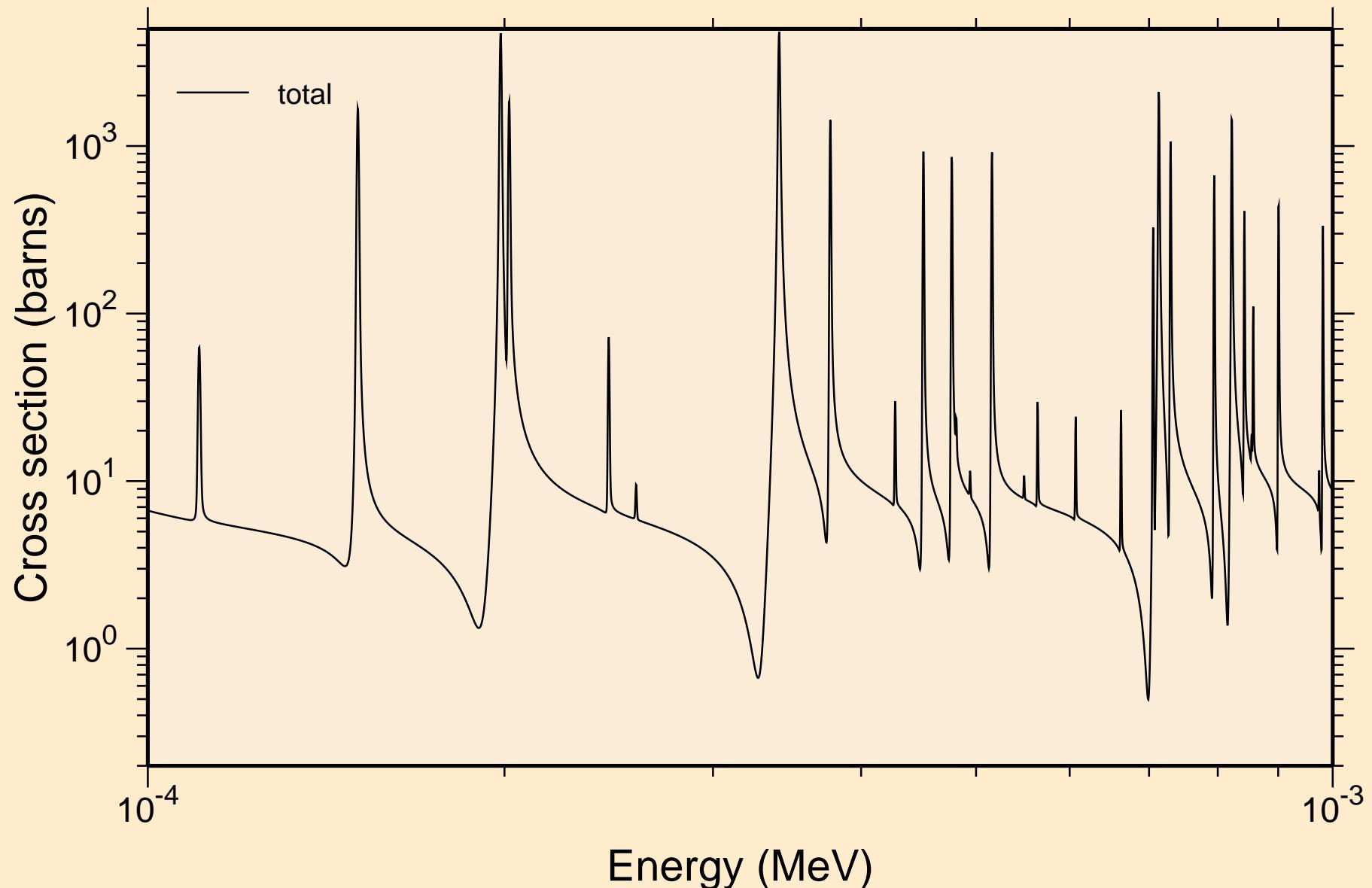
Principal cross sections



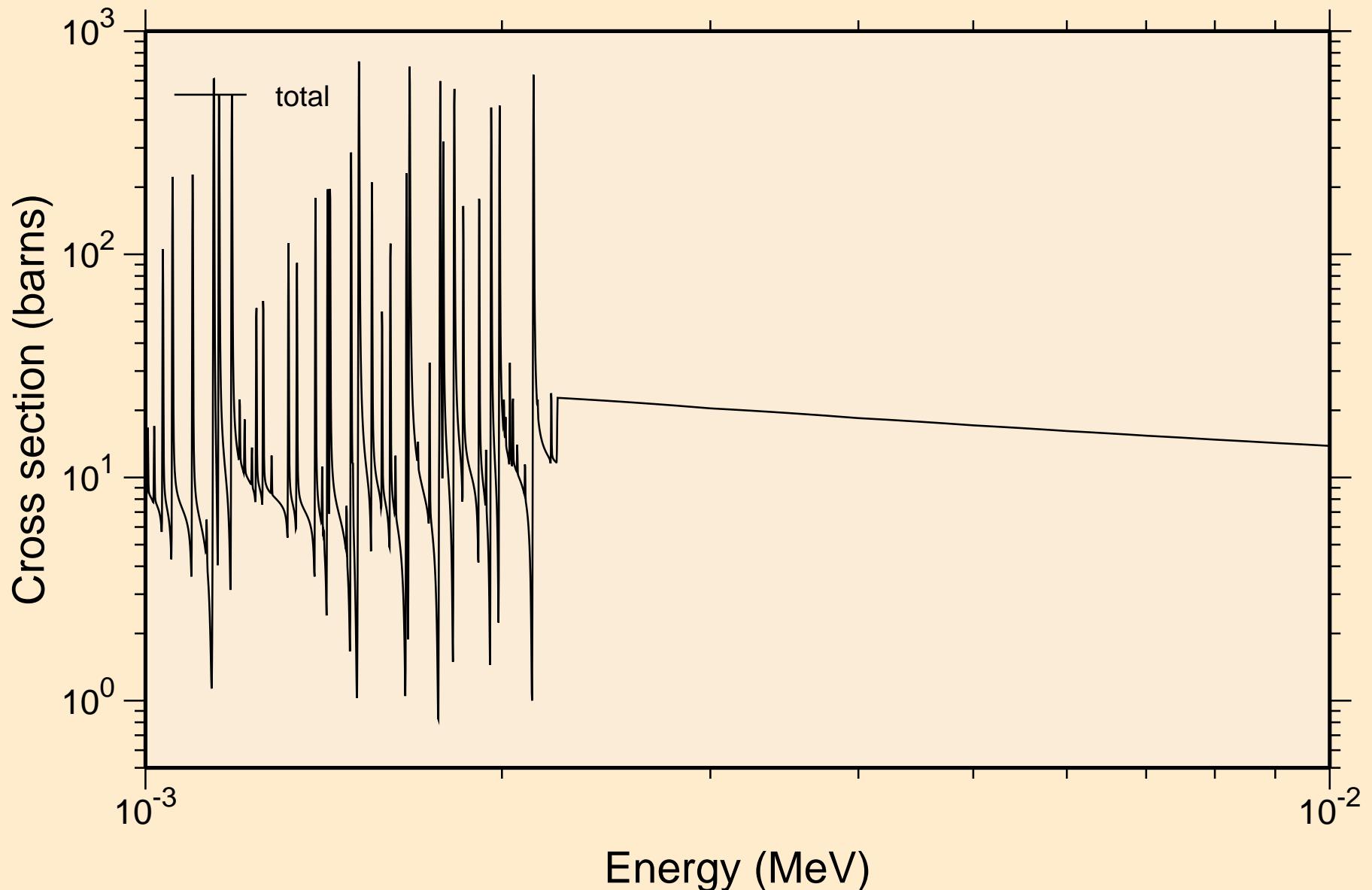
ENDF/B-VII GD-156
resonance total cross section



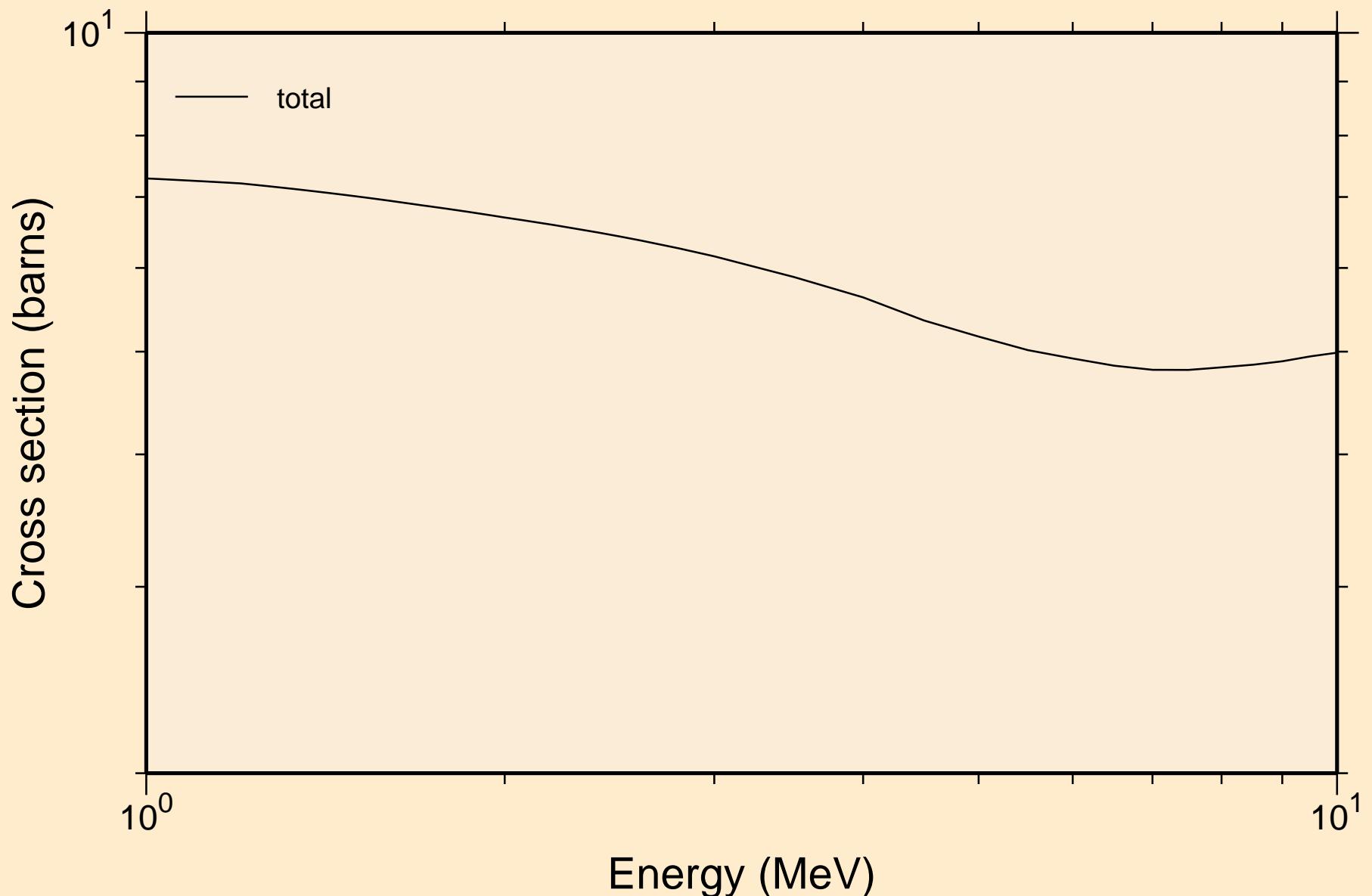
ENDF/B-VII GD-156
resonance total cross section



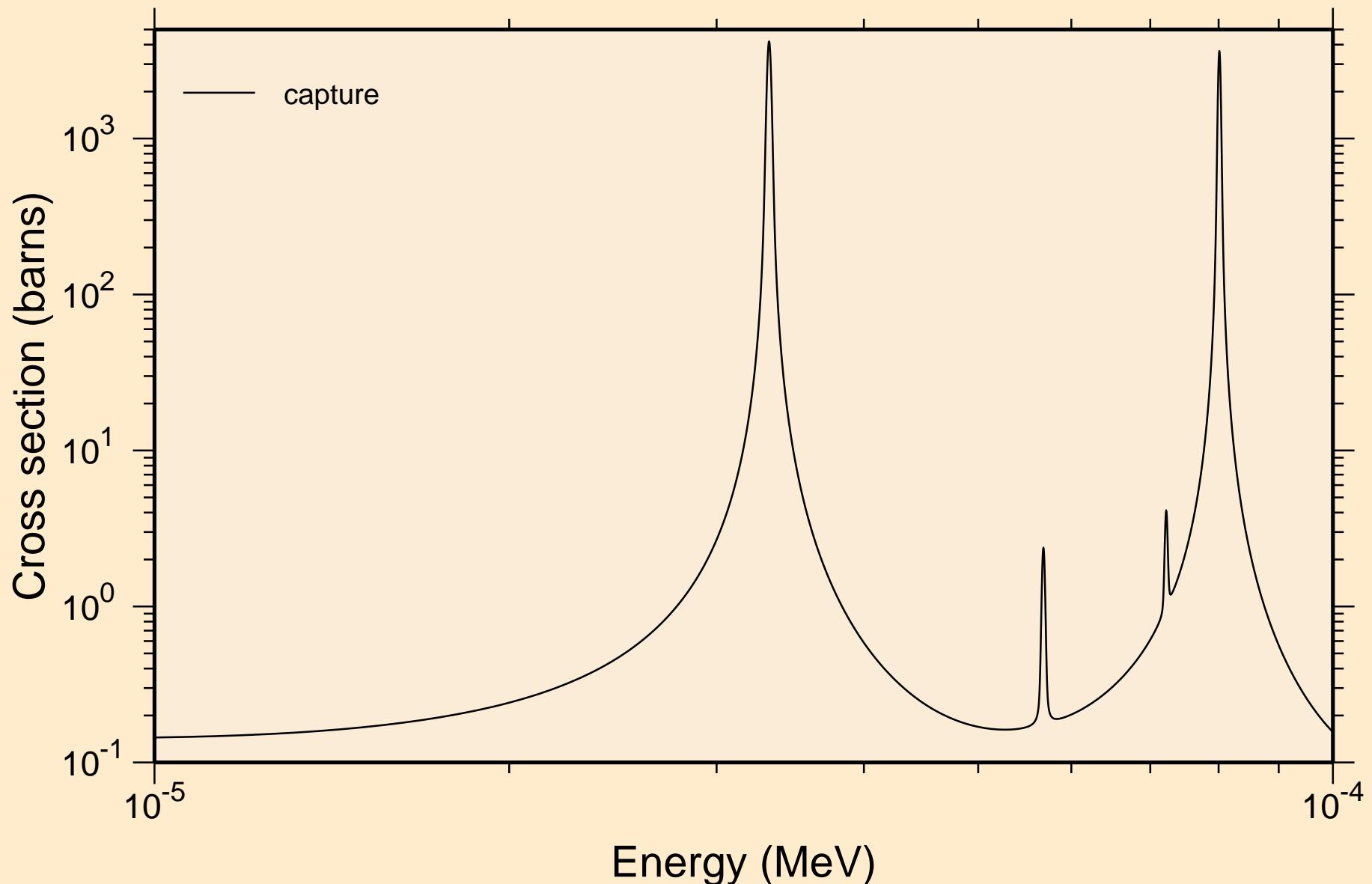
ENDF/B-VII GD-156
resonance total cross section



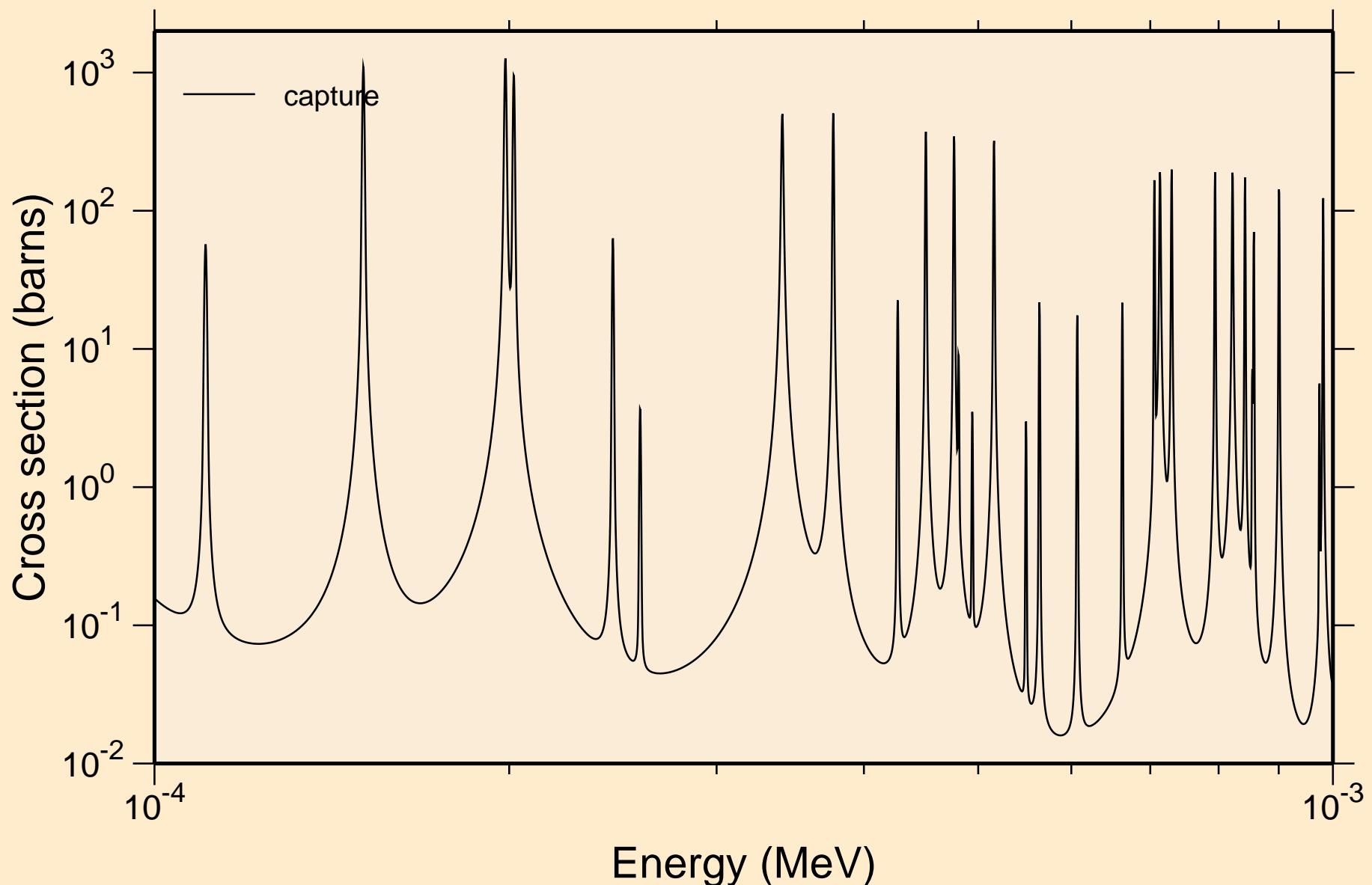
ENDF/B-VII GD-156
resonance total cross section



ENDF/B-VII GD-156
resonance absorption cross sections

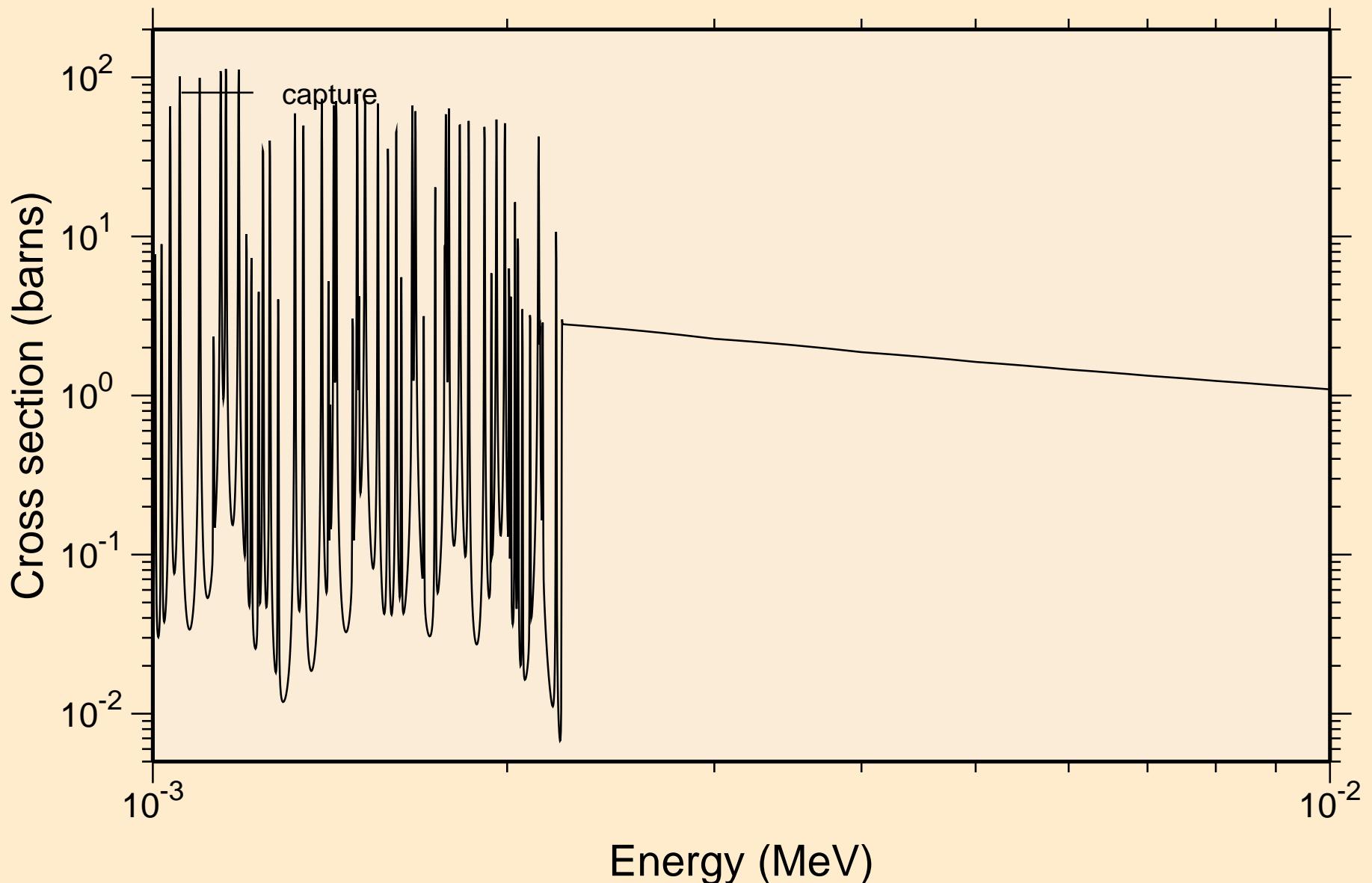


ENDF/B-VII GD-156
resonance absorption cross sections

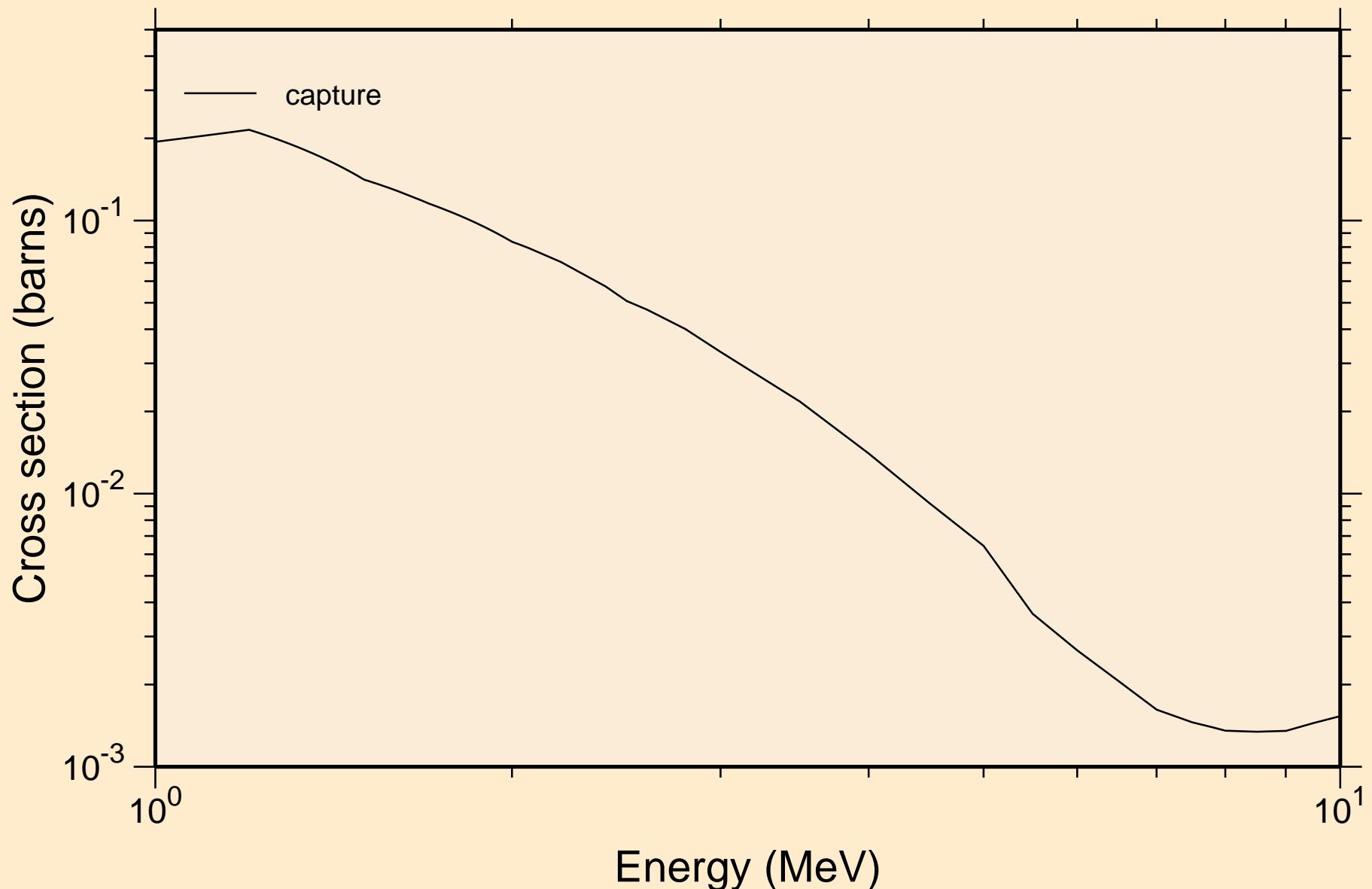


ENDF/B-VII GD-156

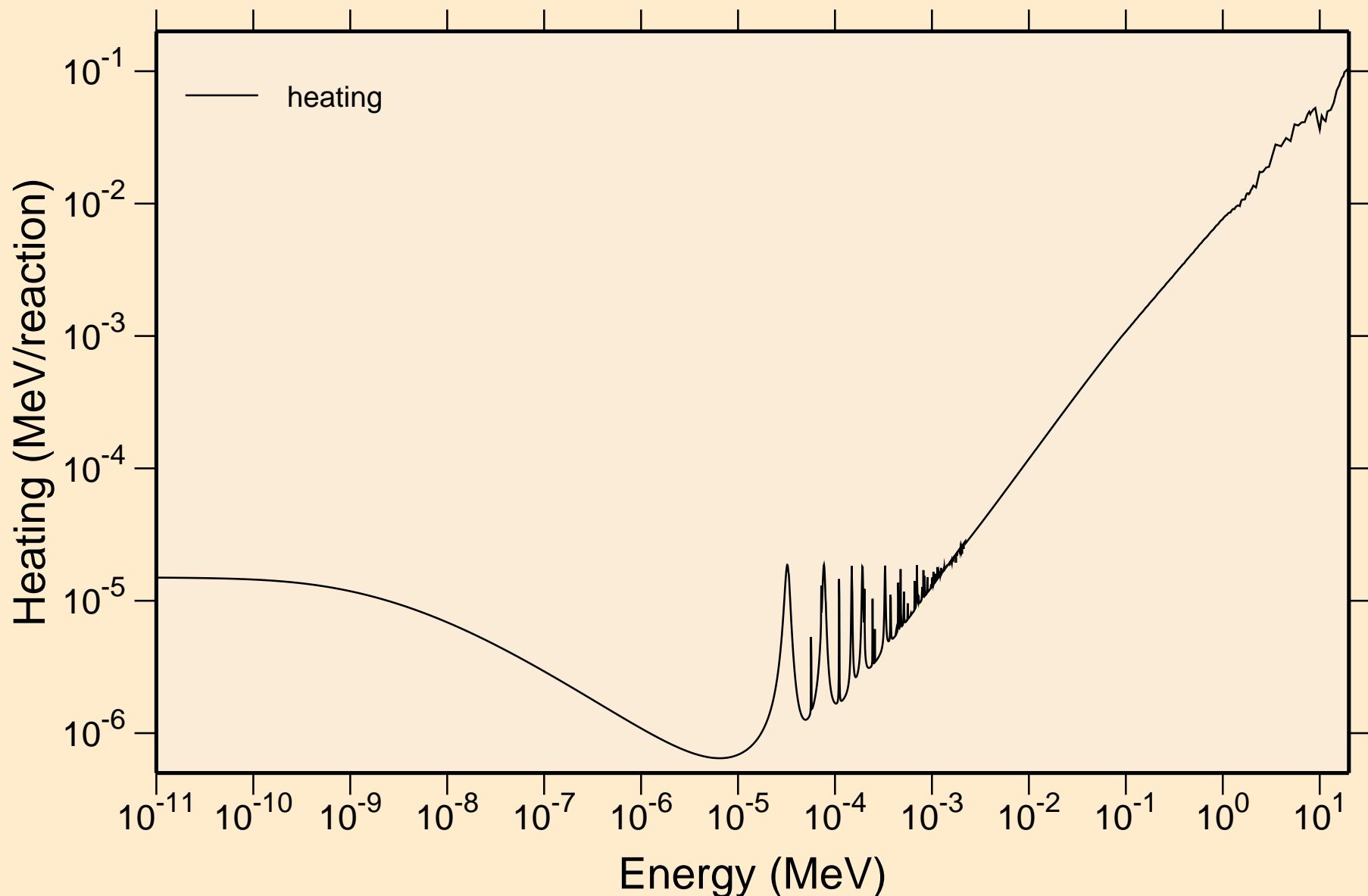
resonance absorption cross sections



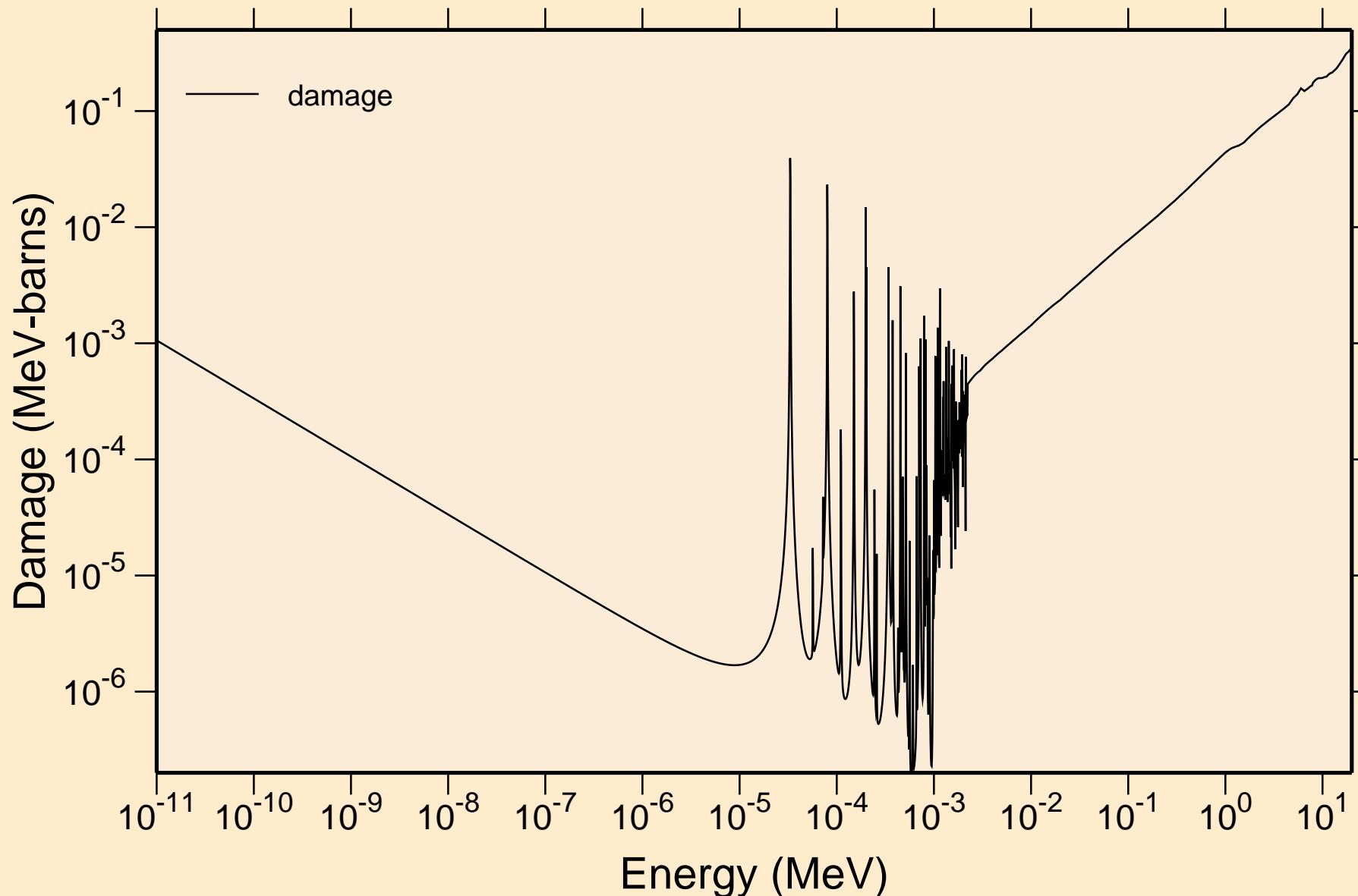
ENDF/B-VII GD-156
resonance absorption cross sections



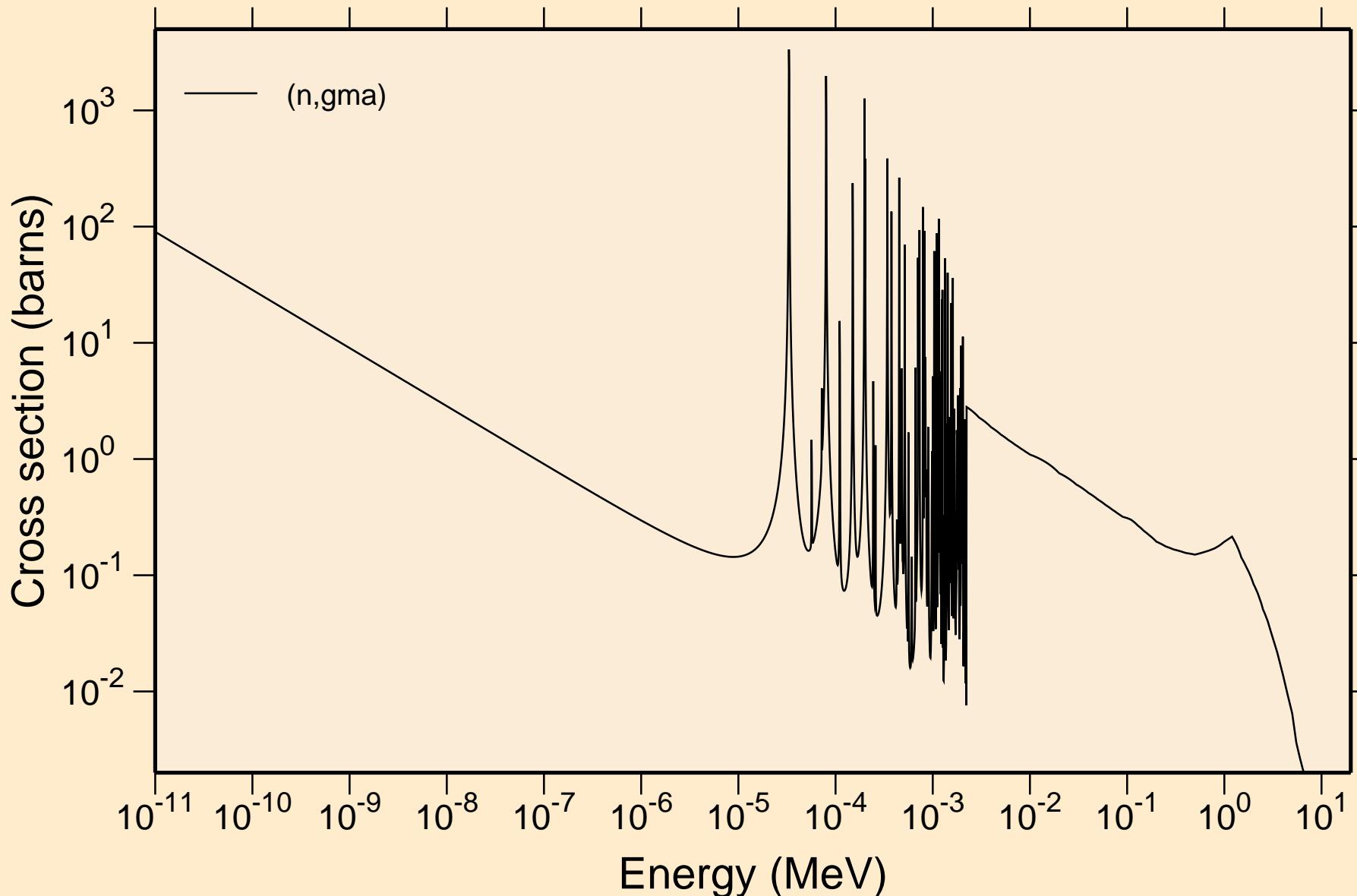
ENDF/B-VII GD-156
Heating



ENDF/B-VII GD-156
Damage

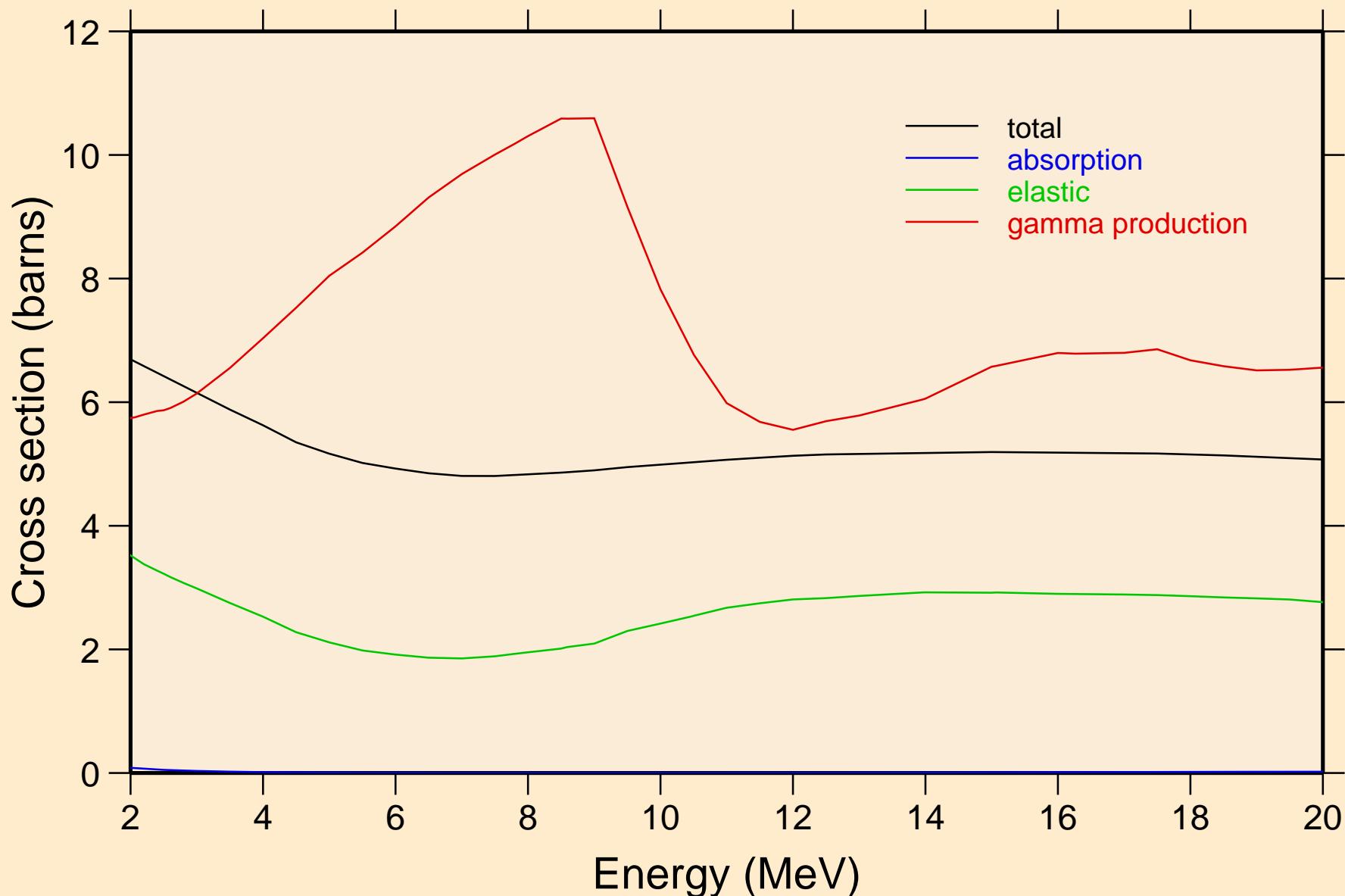


ENDF/B-VII GD-156
Non-threshold reactions

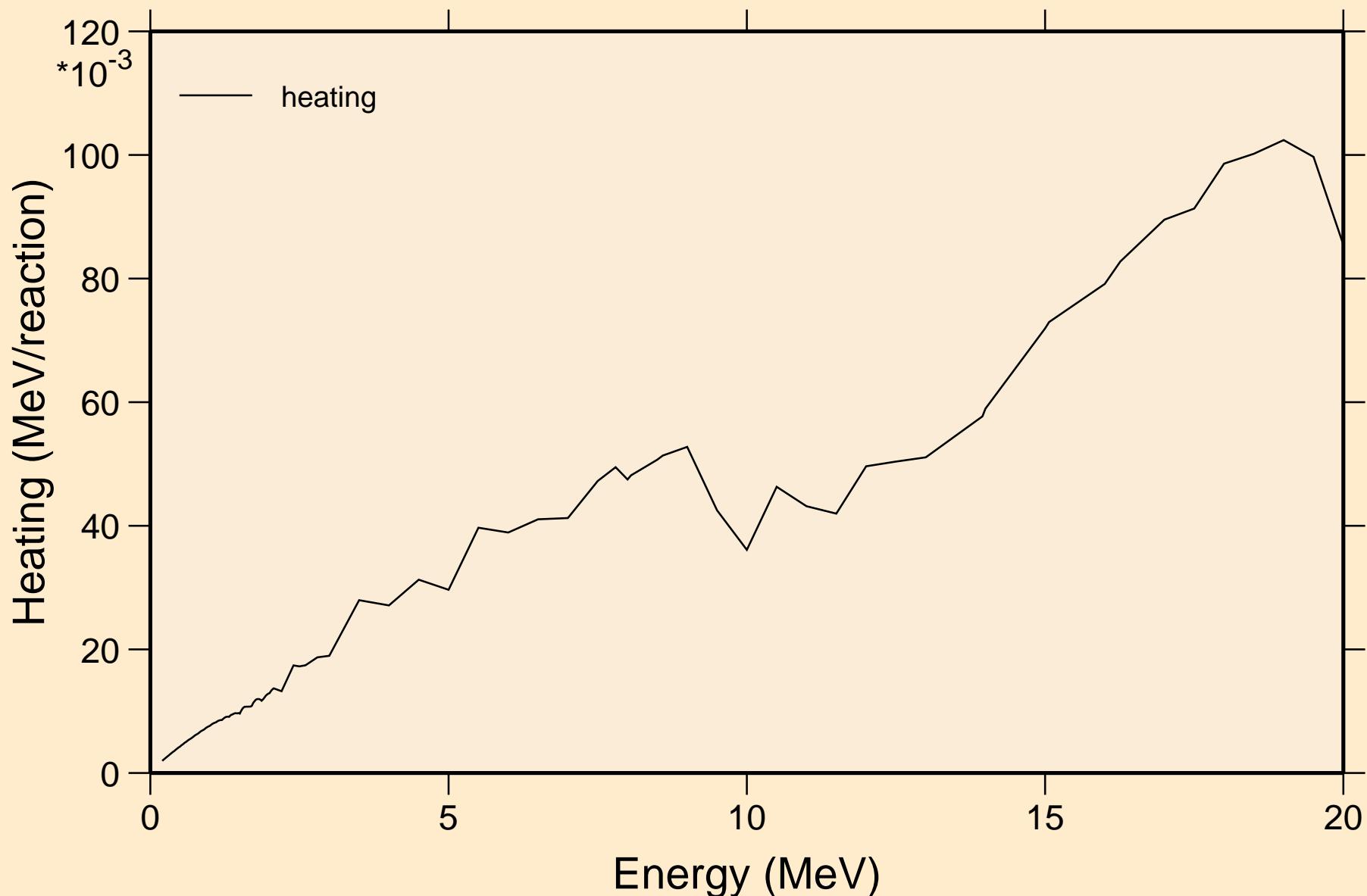


ENDF/B-VII GD-156

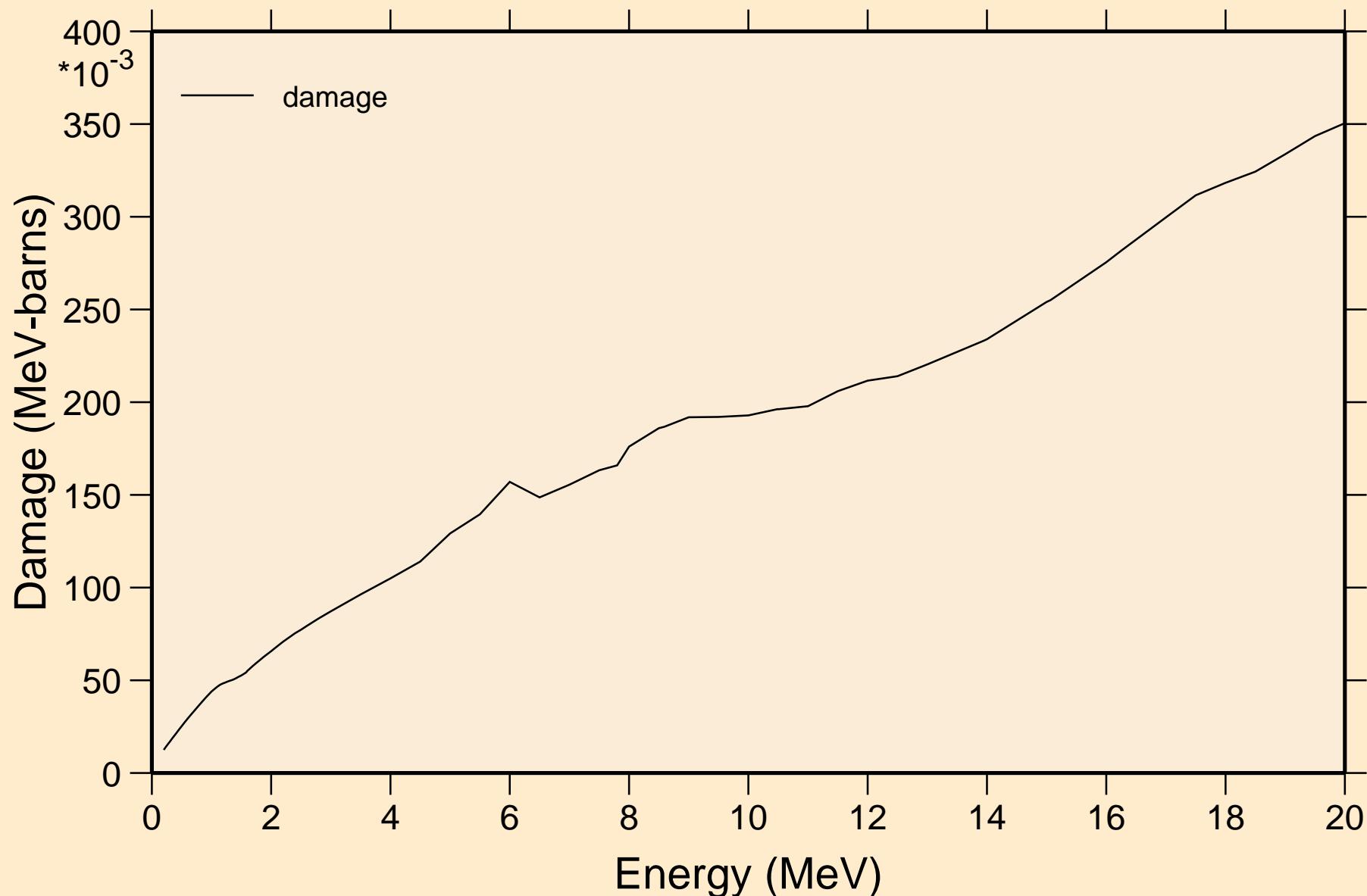
Principal cross sections



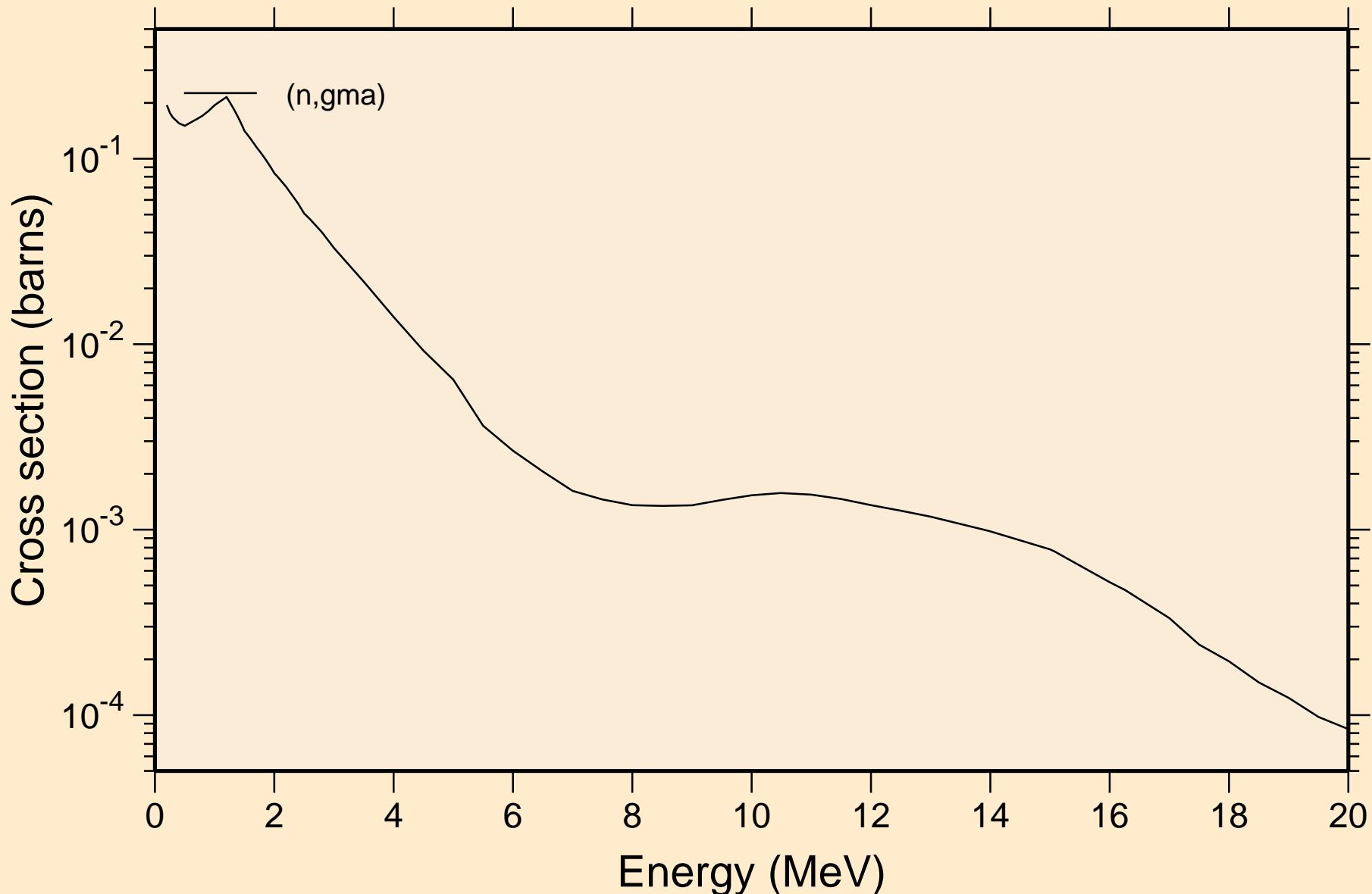
ENDF/B-VII GD-156
Heating



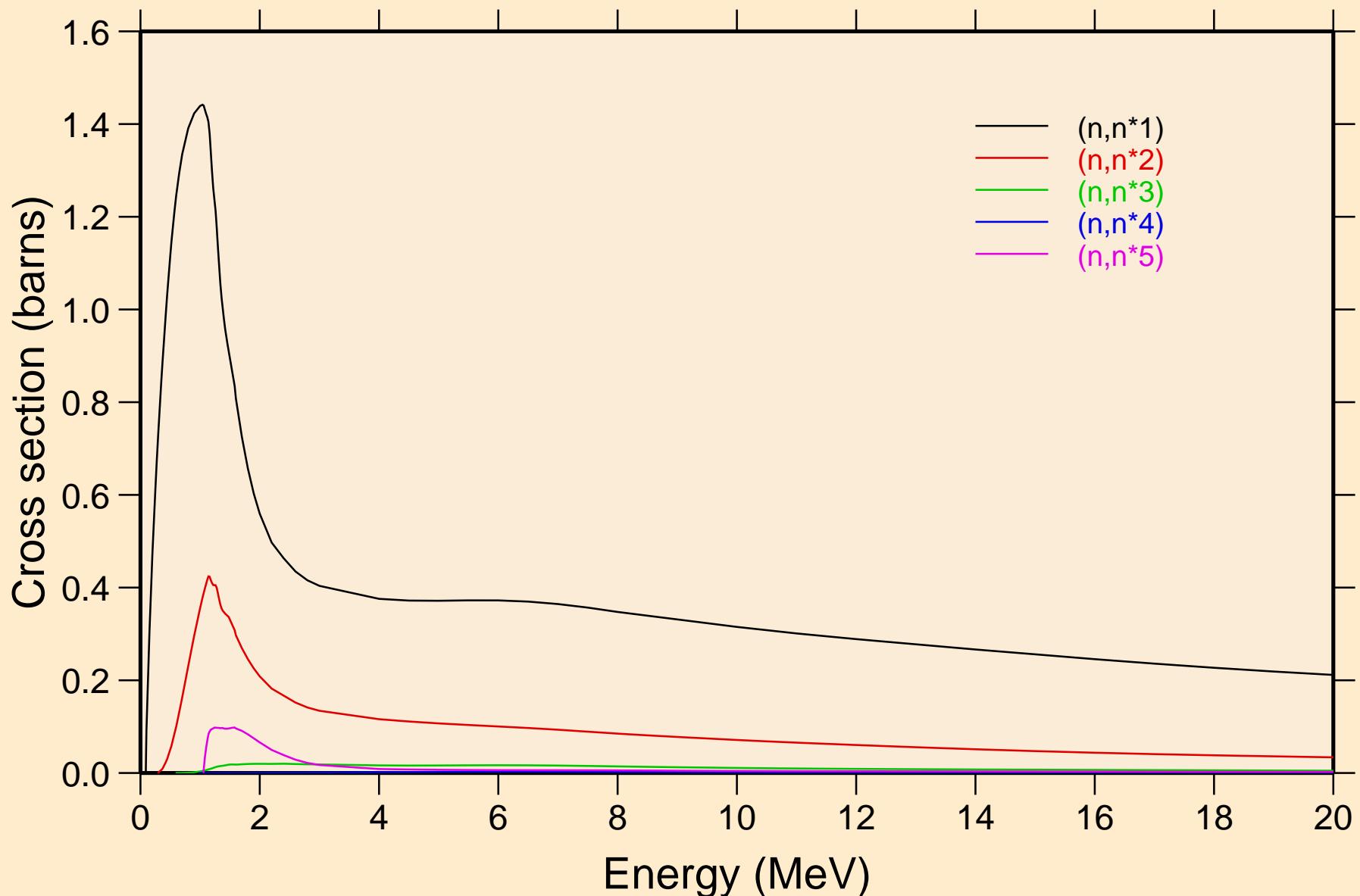
ENDF/B-VII GD-156
Damage



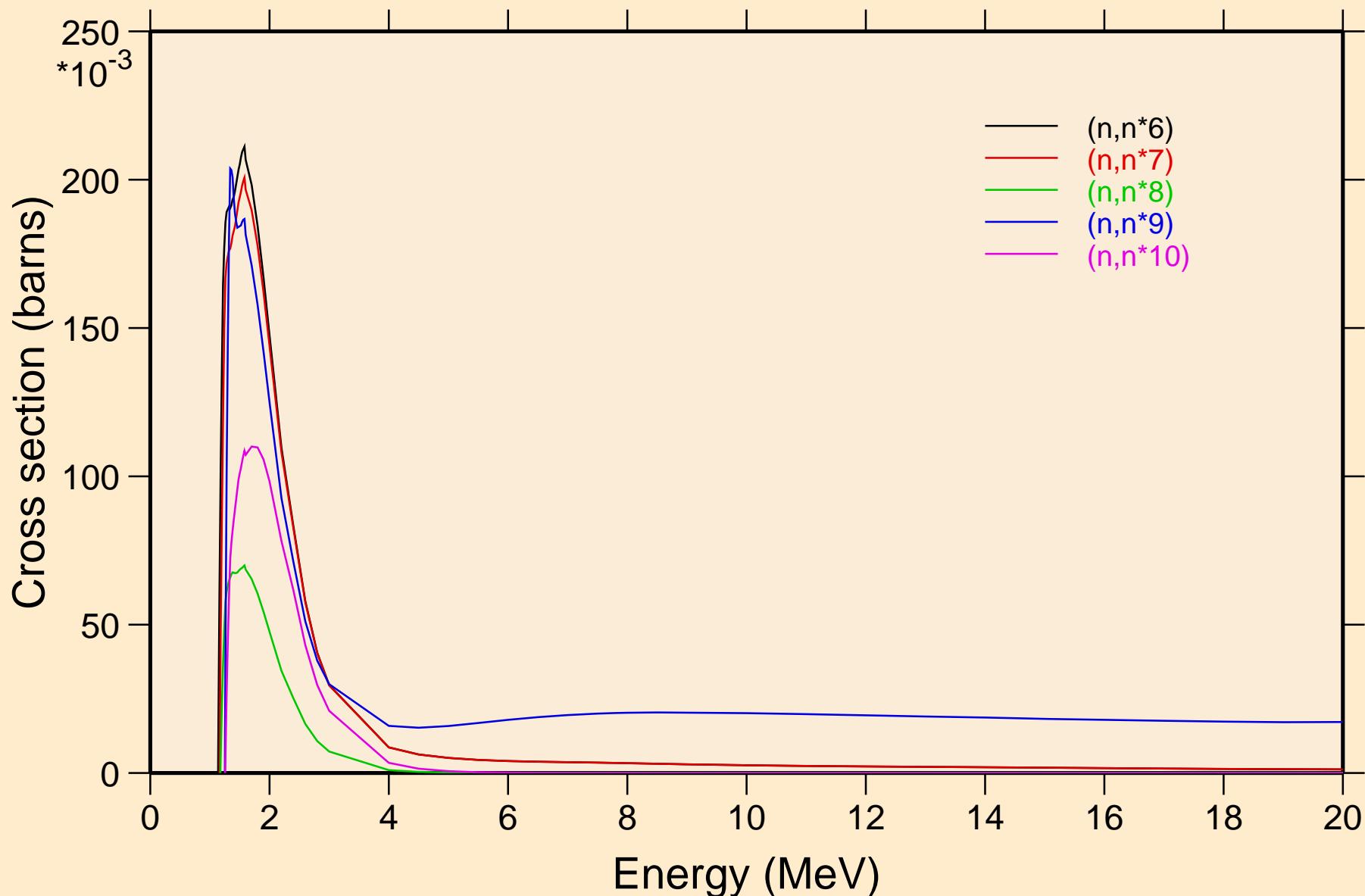
ENDF/B-VII GD-156
Non-threshold reactions



ENDF/B-VII GD-156
Inelastic levels

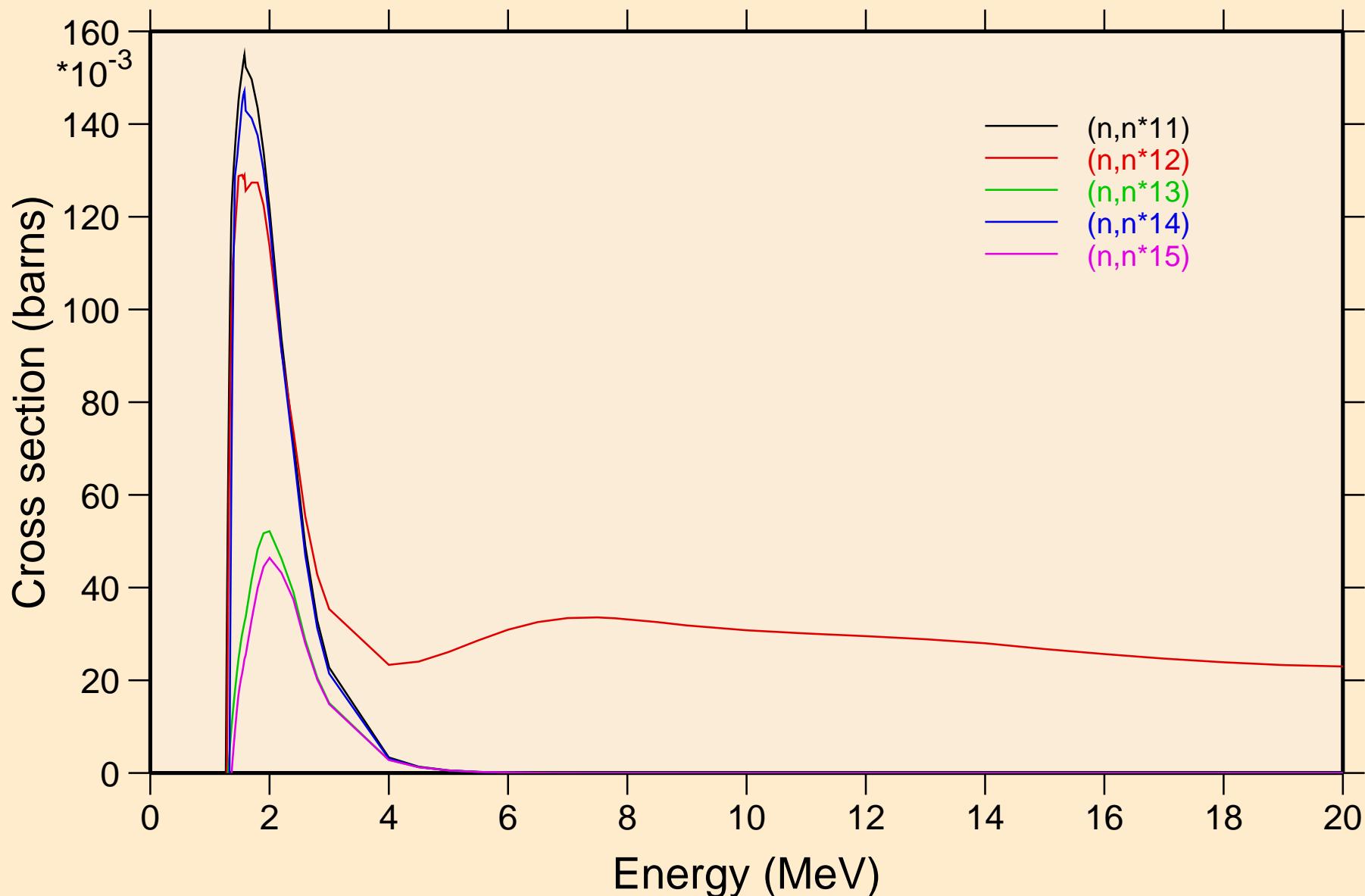


ENDF/B-VII GD-156
Inelastic levels

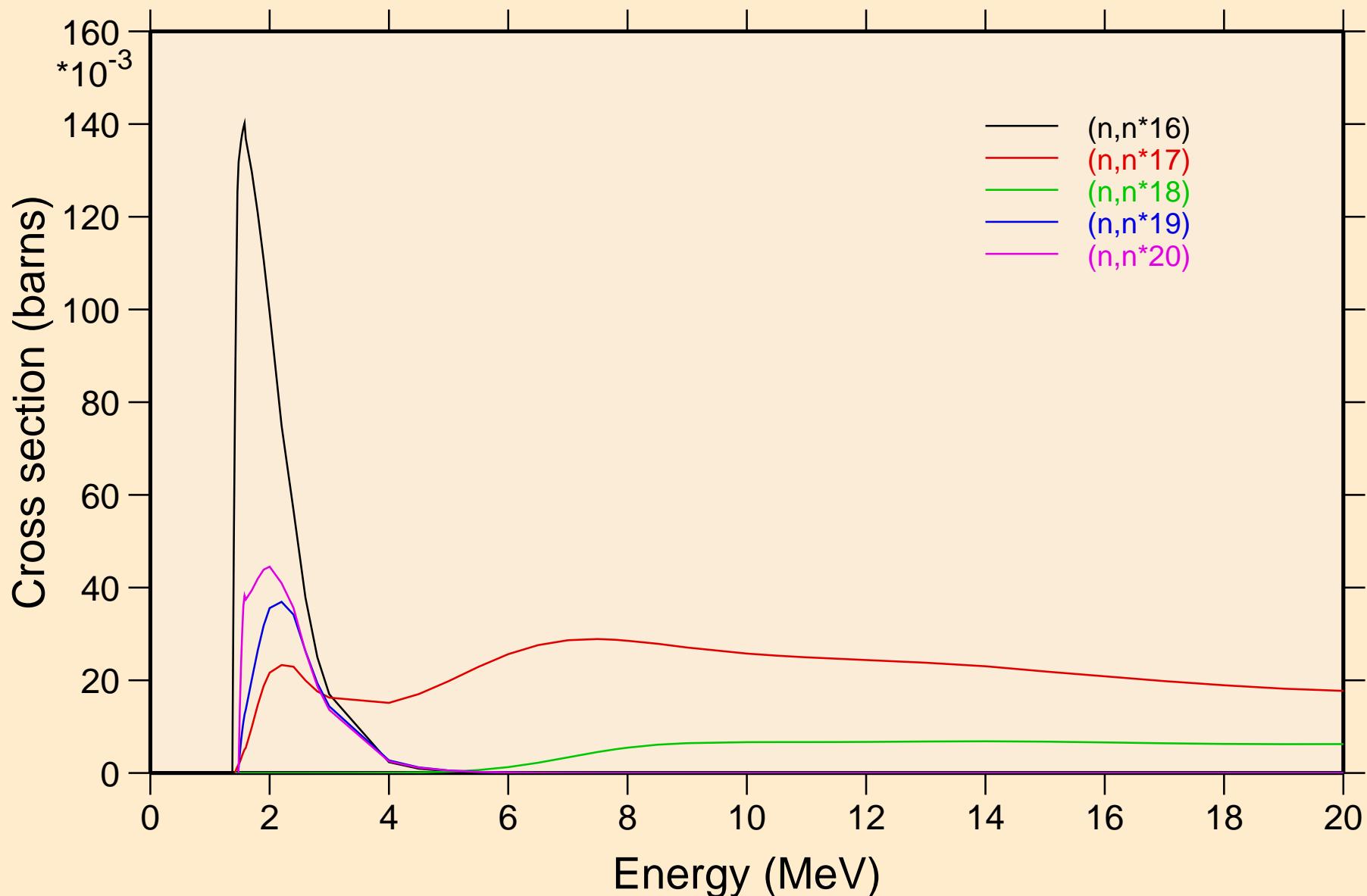


ENDF/B-VII GD-156

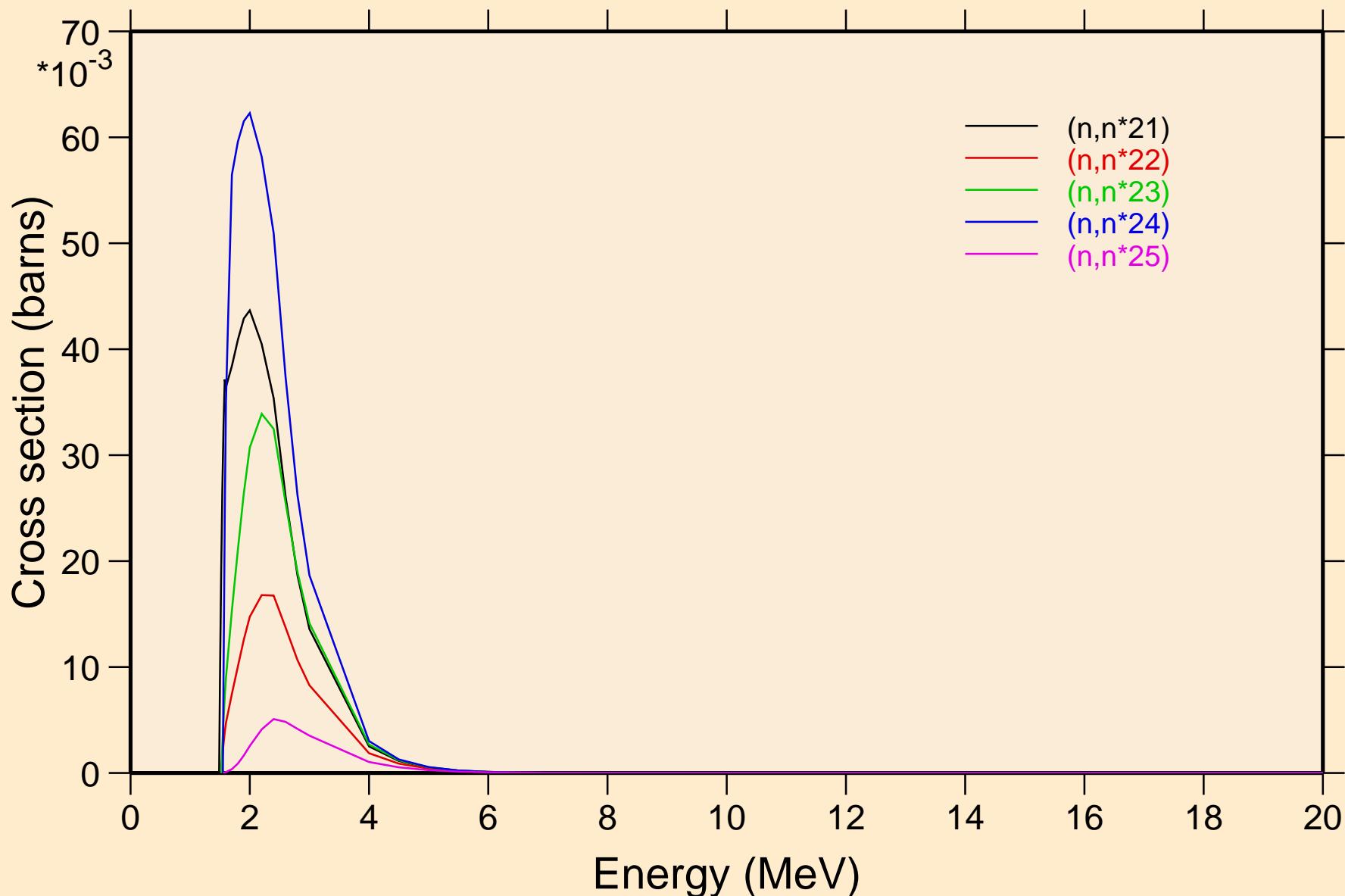
Inelastic levels



ENDF/B-VII GD-156
Inelastic levels

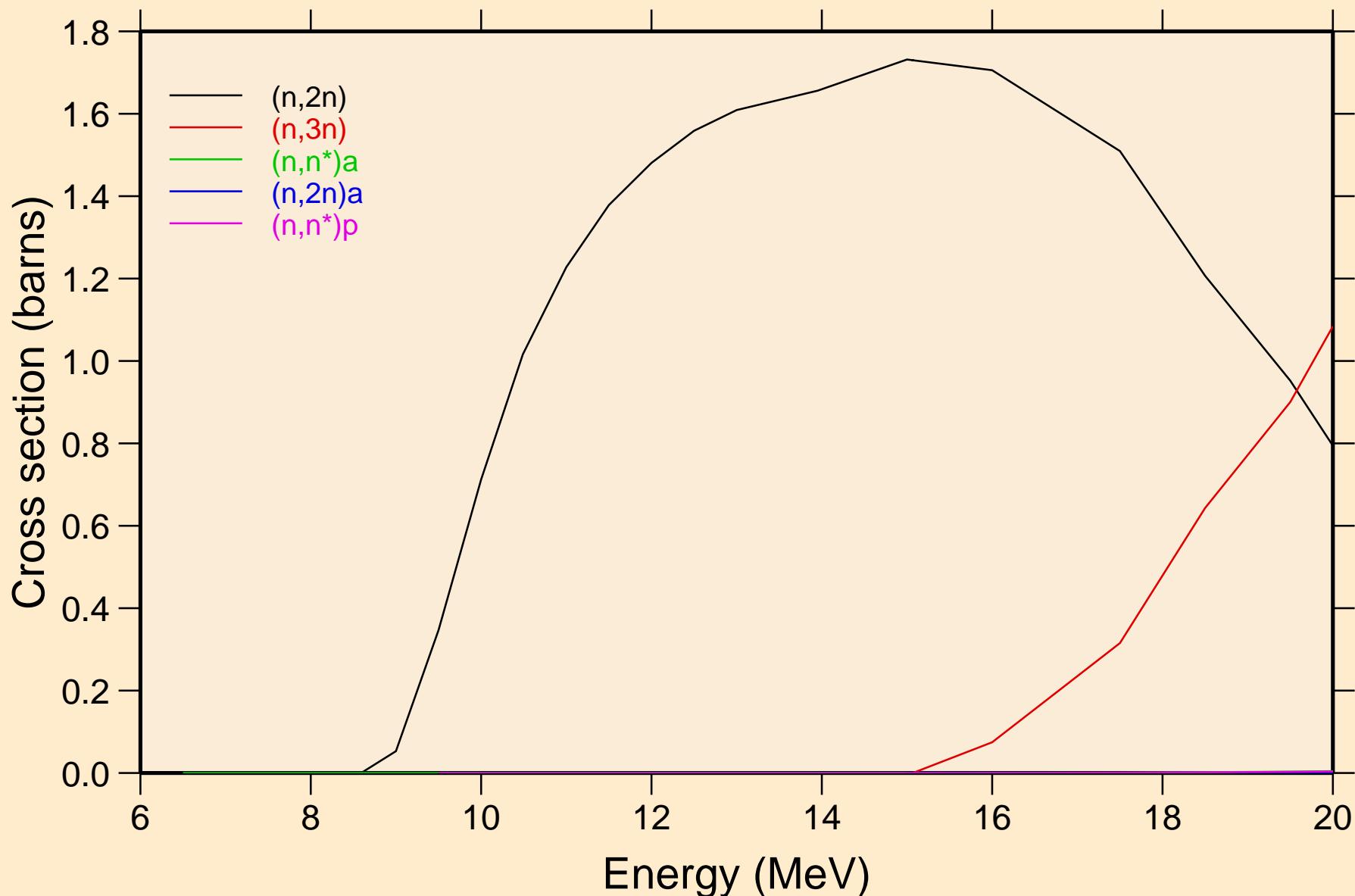


ENDF/B-VII GD-156
Inelastic levels

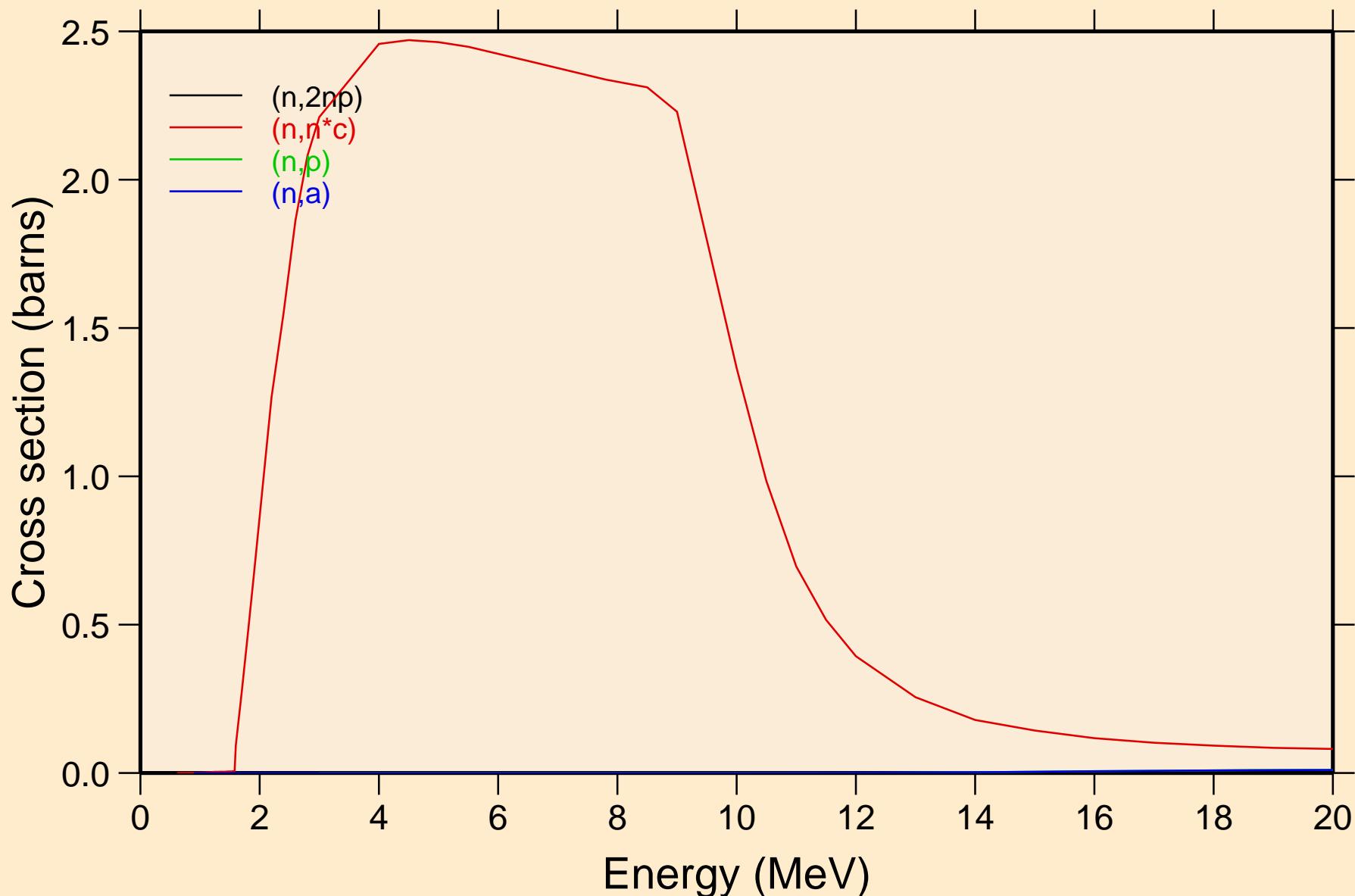


ENDF/B-VII GD-156

Threshold reactions

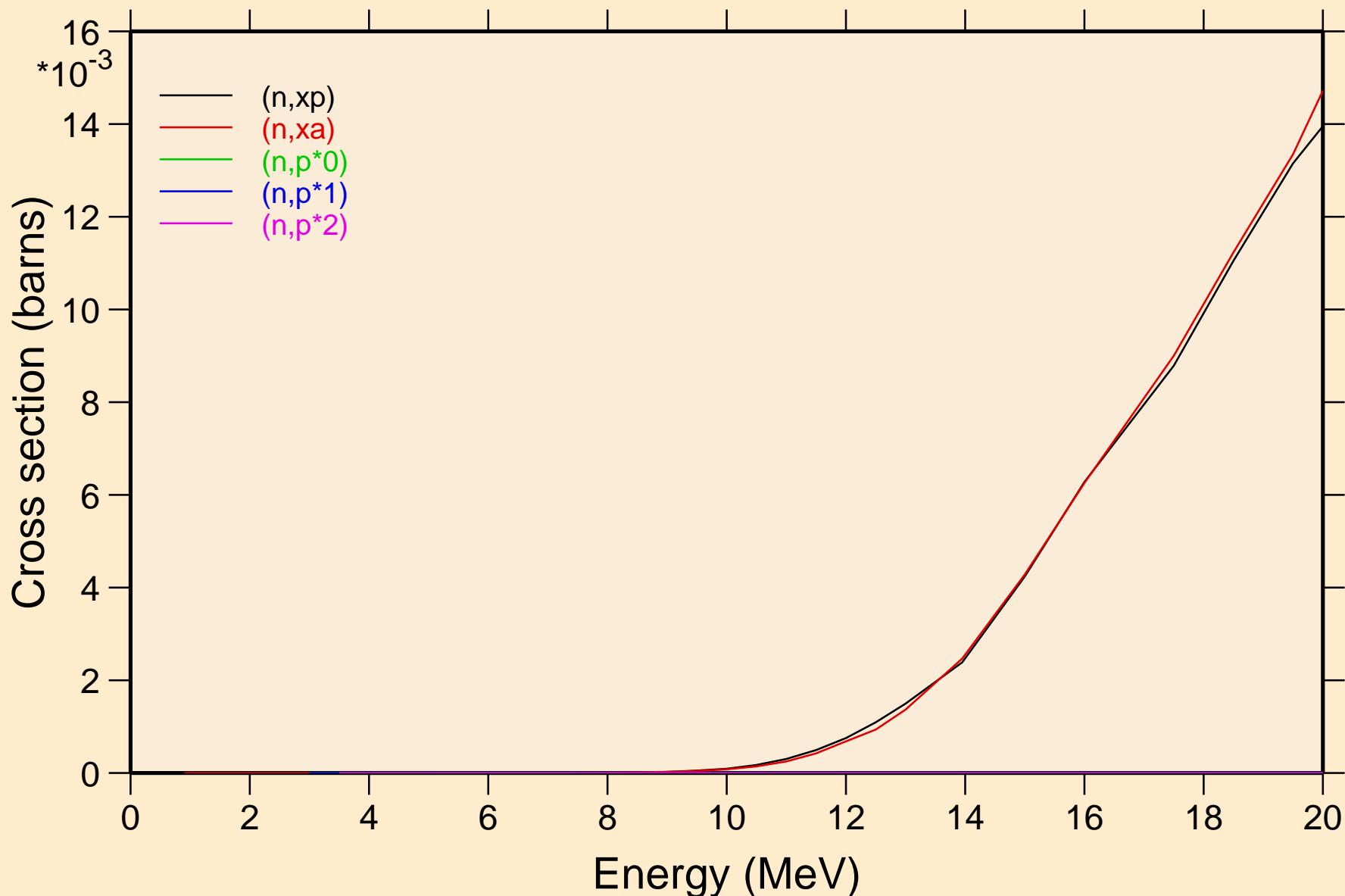


ENDF/B-VII GD-156
Threshold reactions



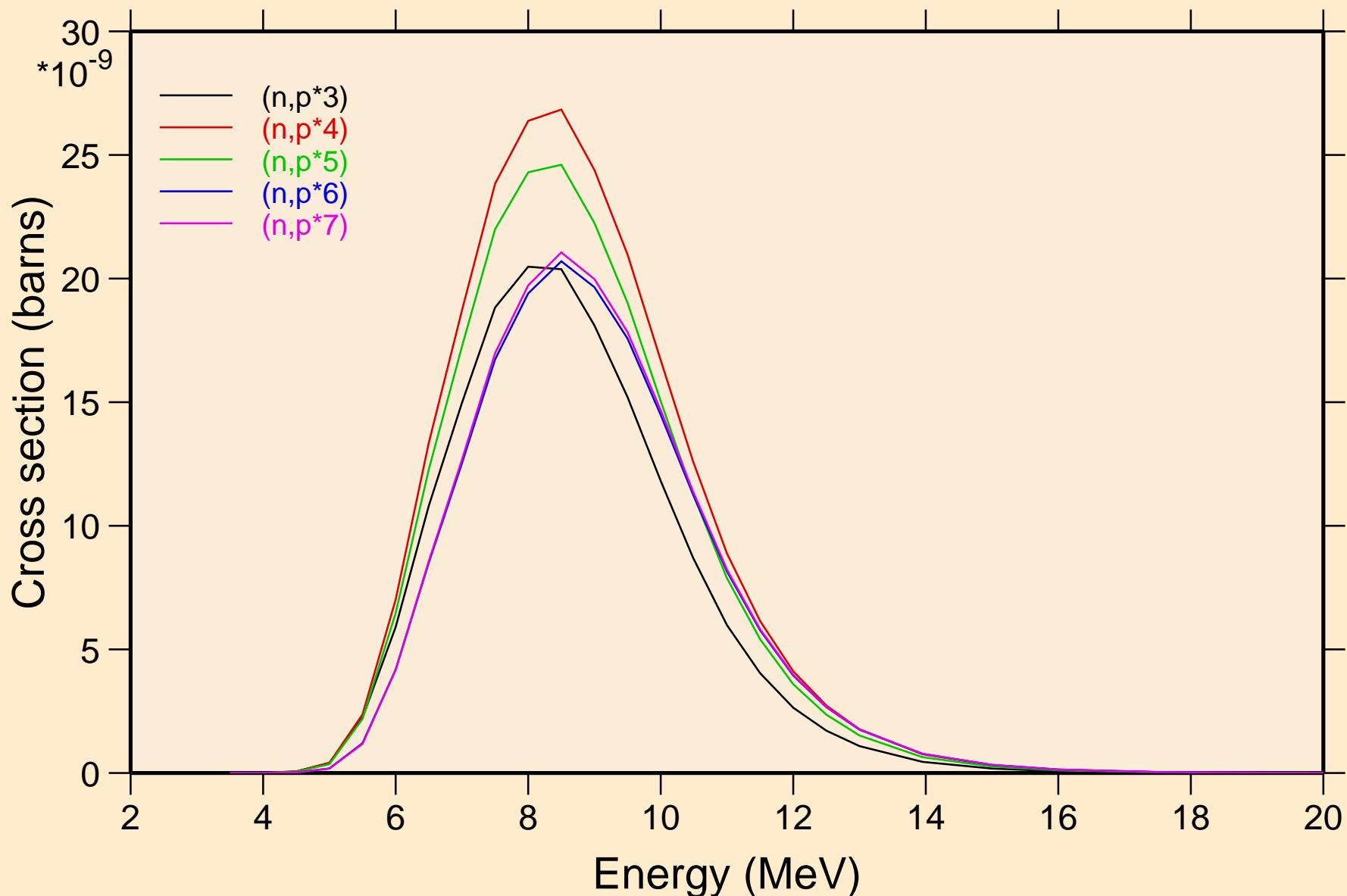
ENDF/B-VII GD-156

Threshold reactions



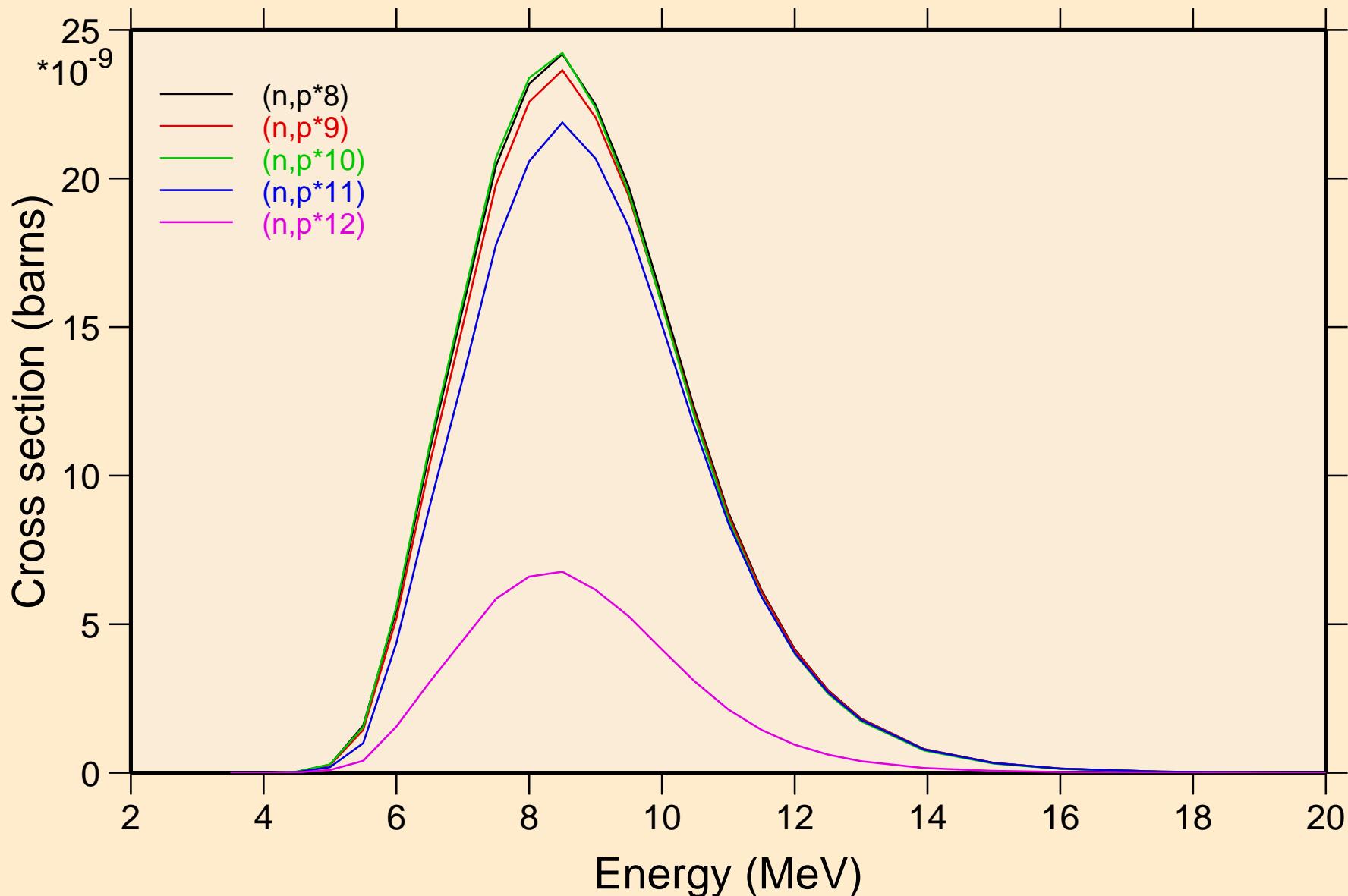
ENDF/B-VII GD-156

Threshold reactions



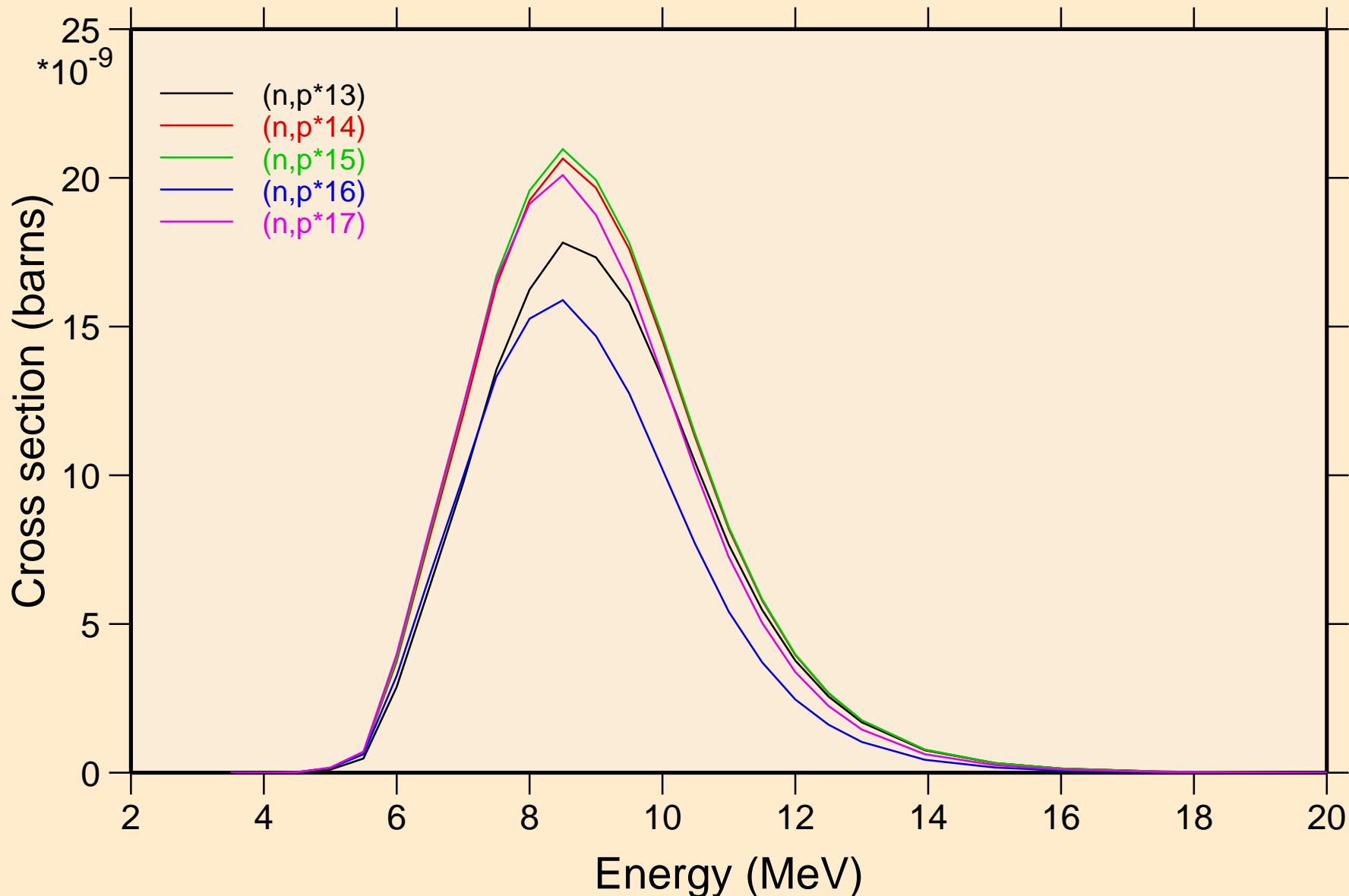
ENDF/B-VII GD-156

Threshold reactions



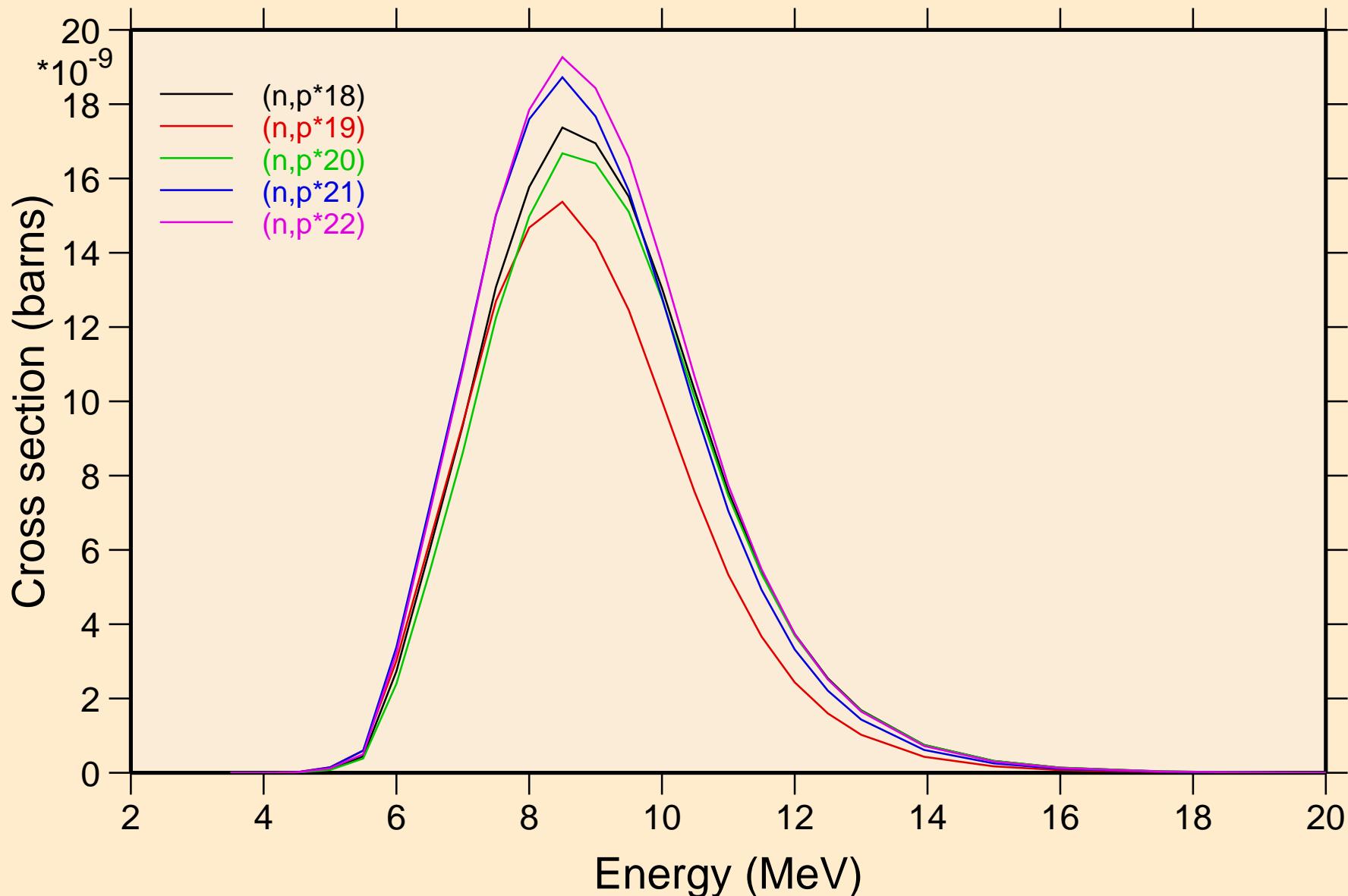
ENDF/B-VII GD-156

Threshold reactions



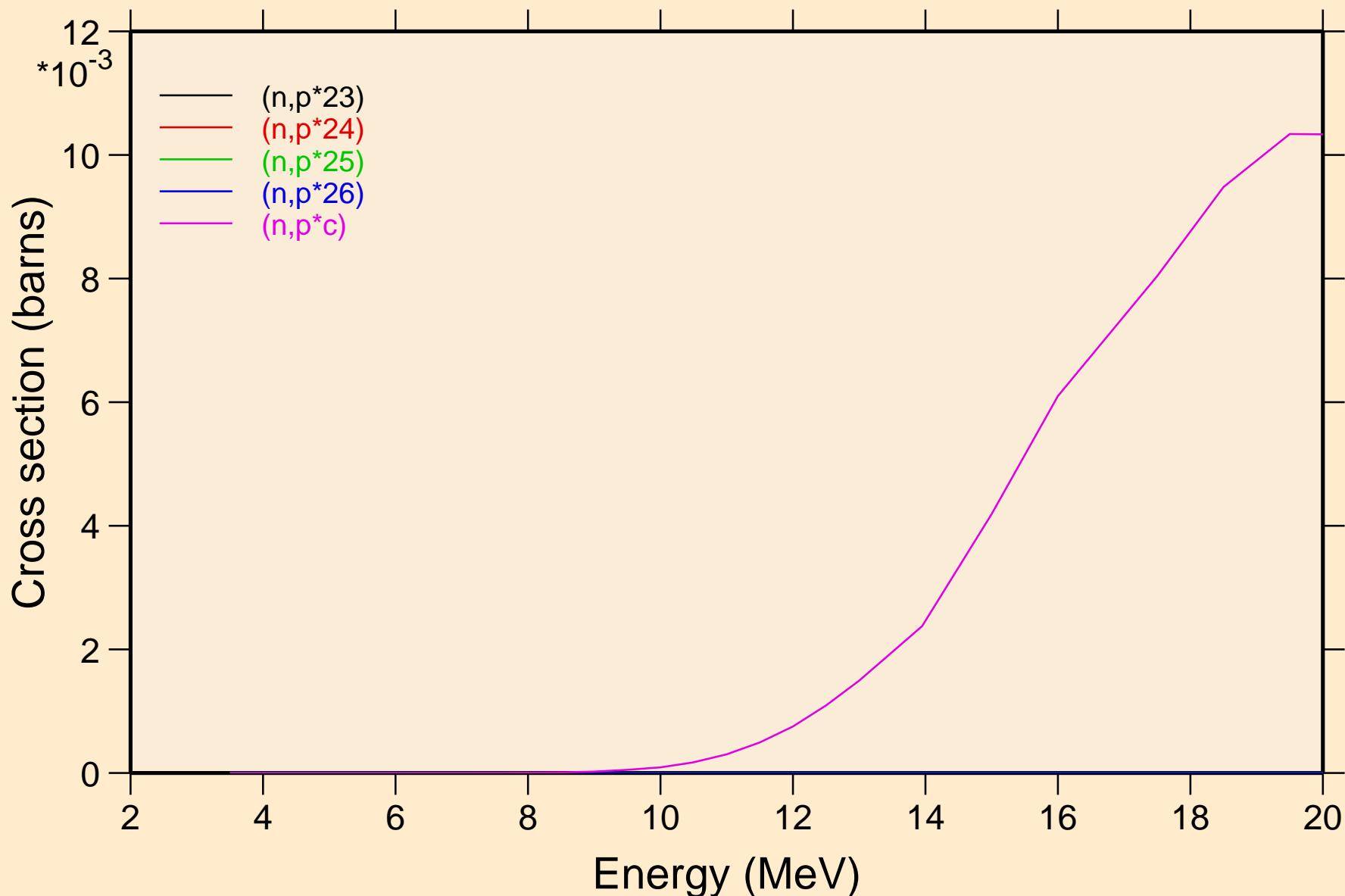
ENDF/B-VII GD-156

Threshold reactions



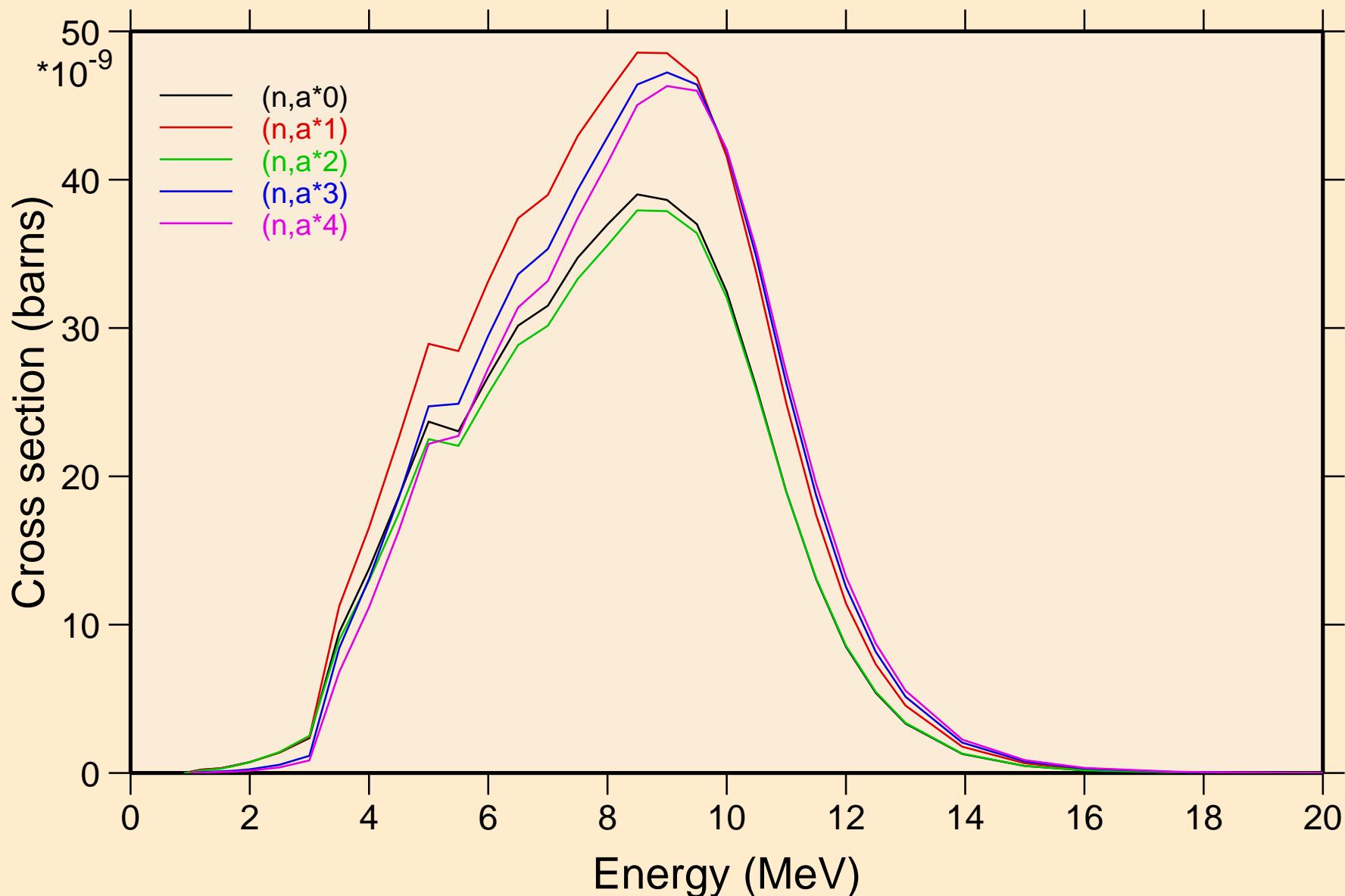
ENDF/B-VII GD-156

Threshold reactions



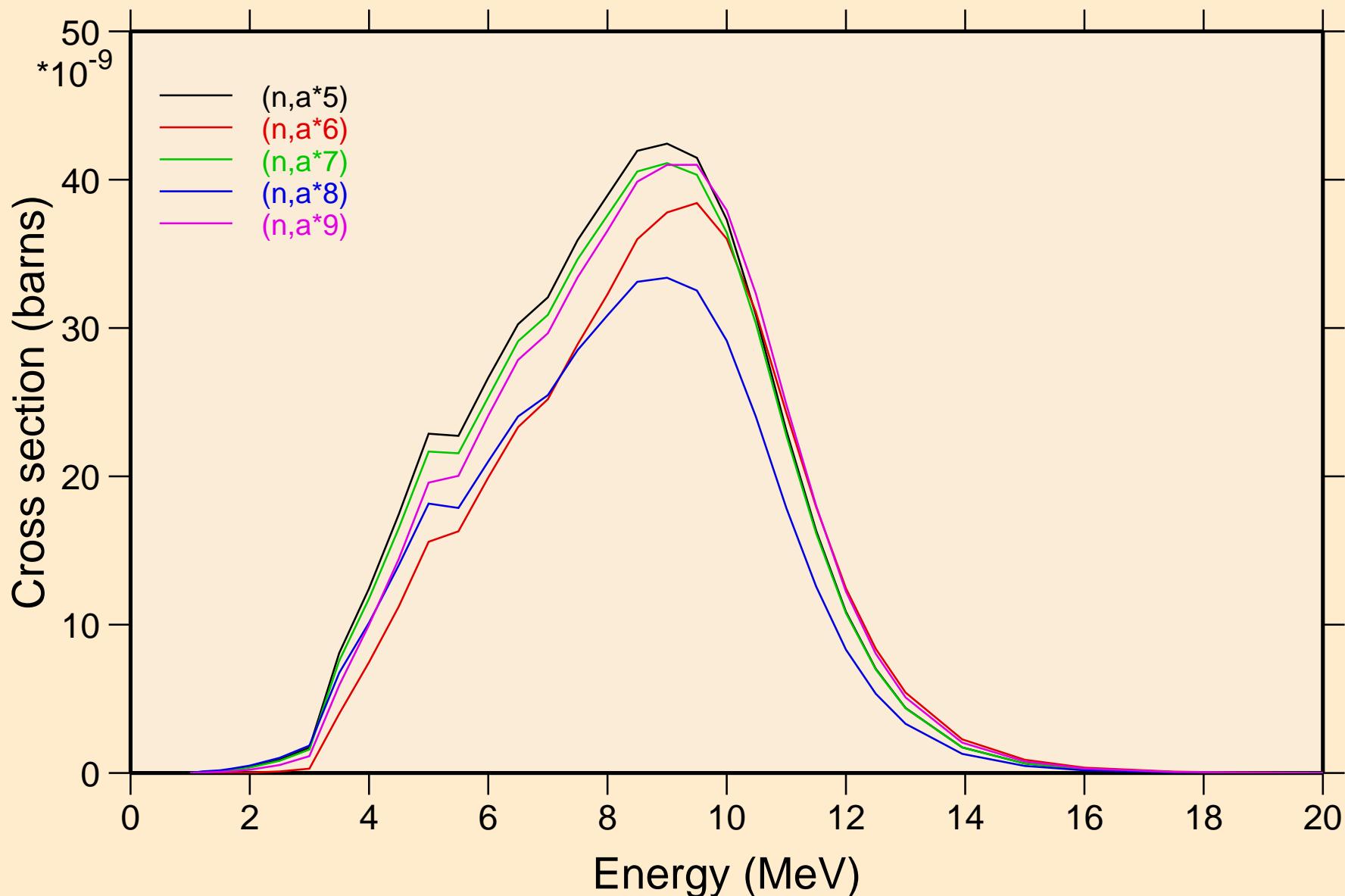
ENDF/B-VII GD-156

Threshold reactions



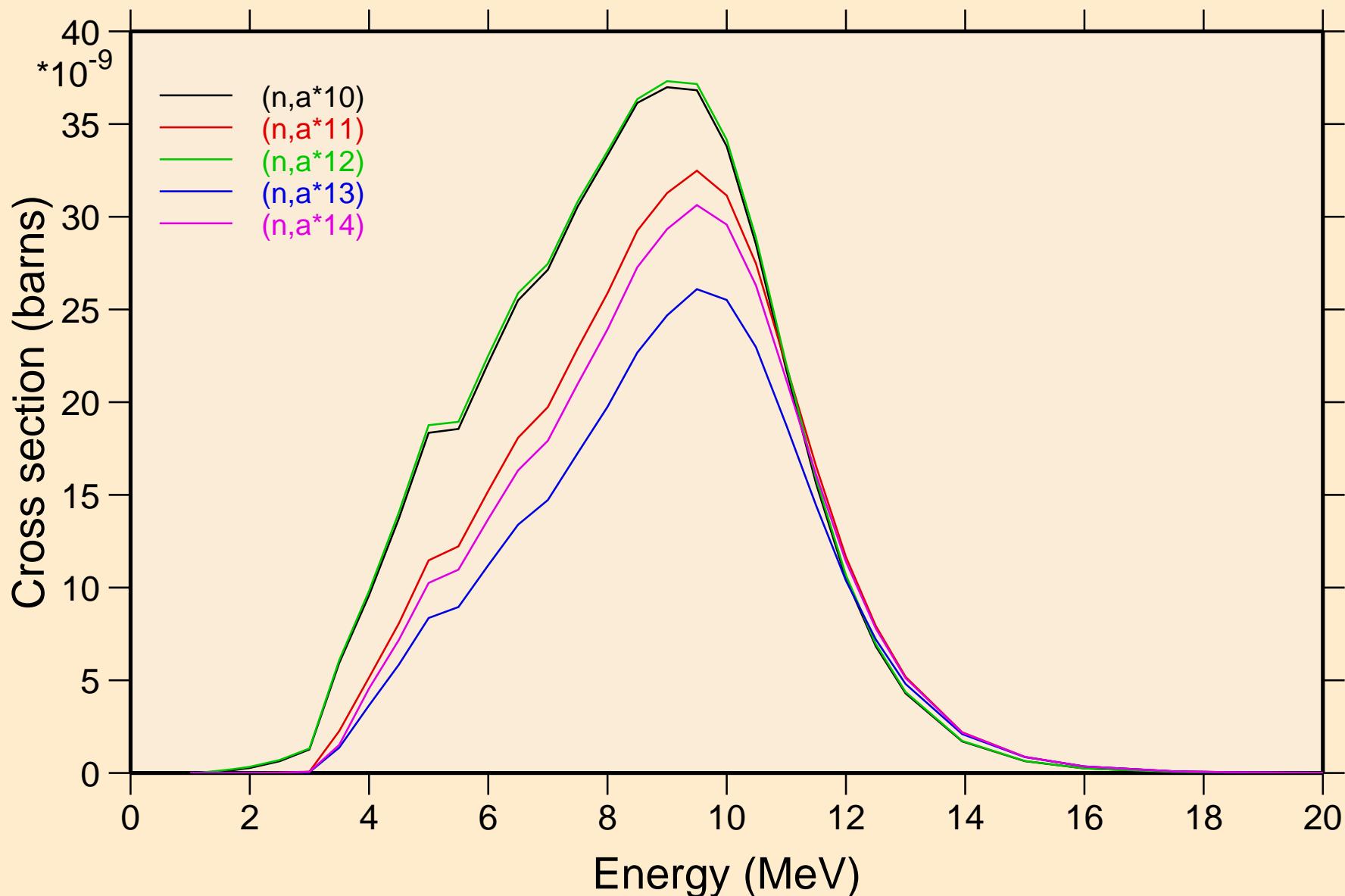
ENDF/B-VII GD-156

Threshold reactions



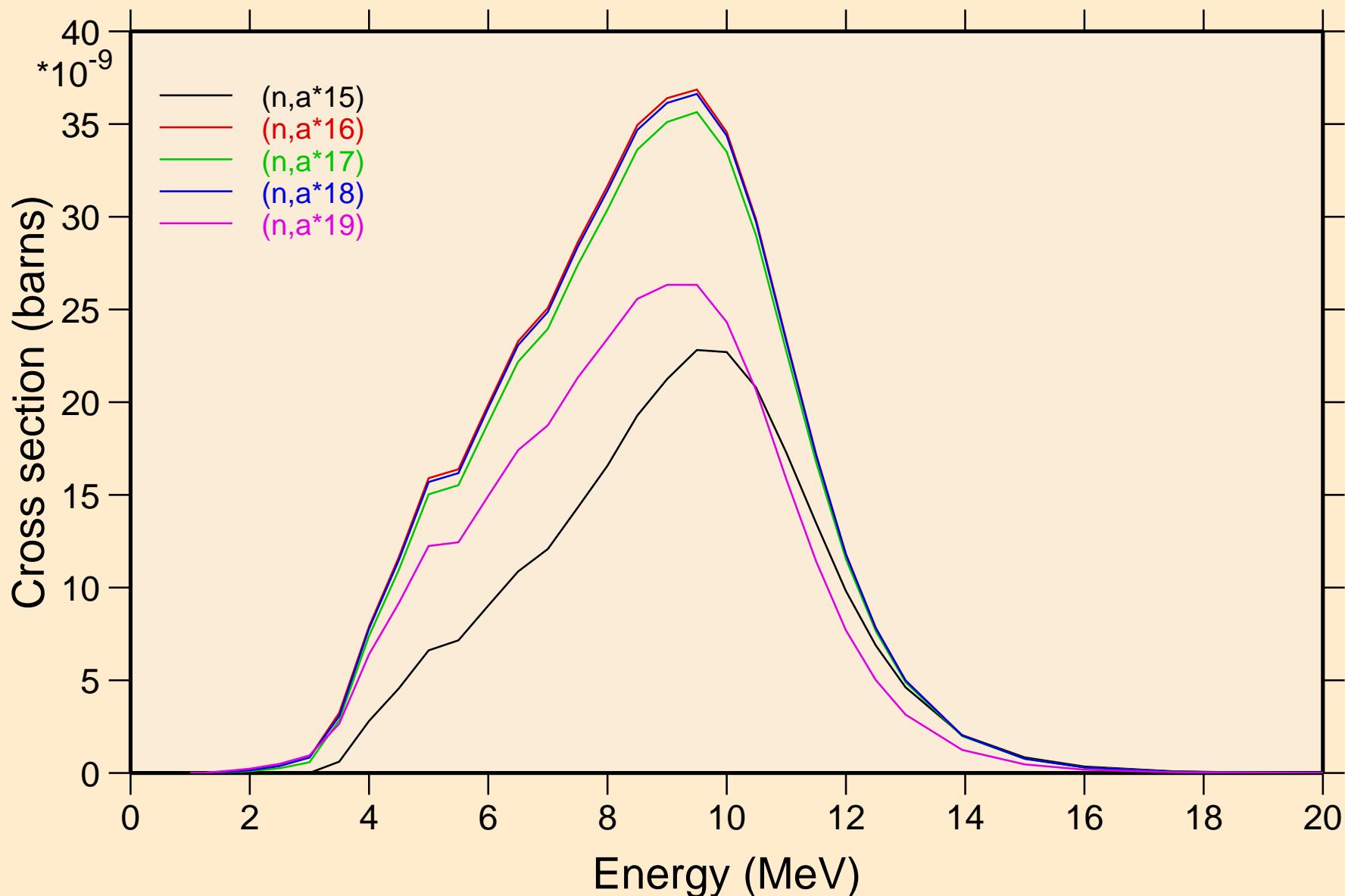
ENDF/B-VII GD-156

Threshold reactions



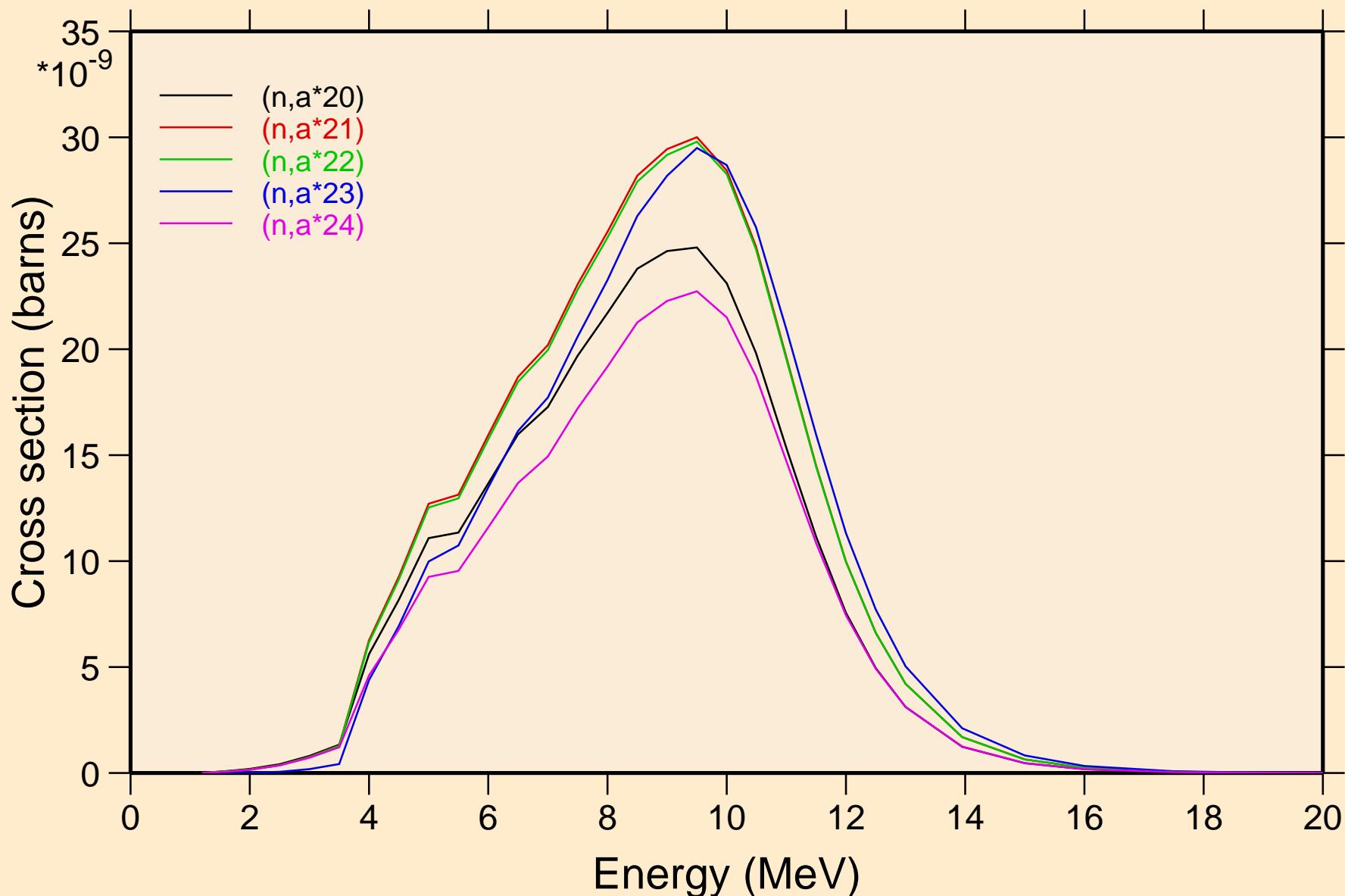
ENDF/B-VII GD-156

Threshold reactions



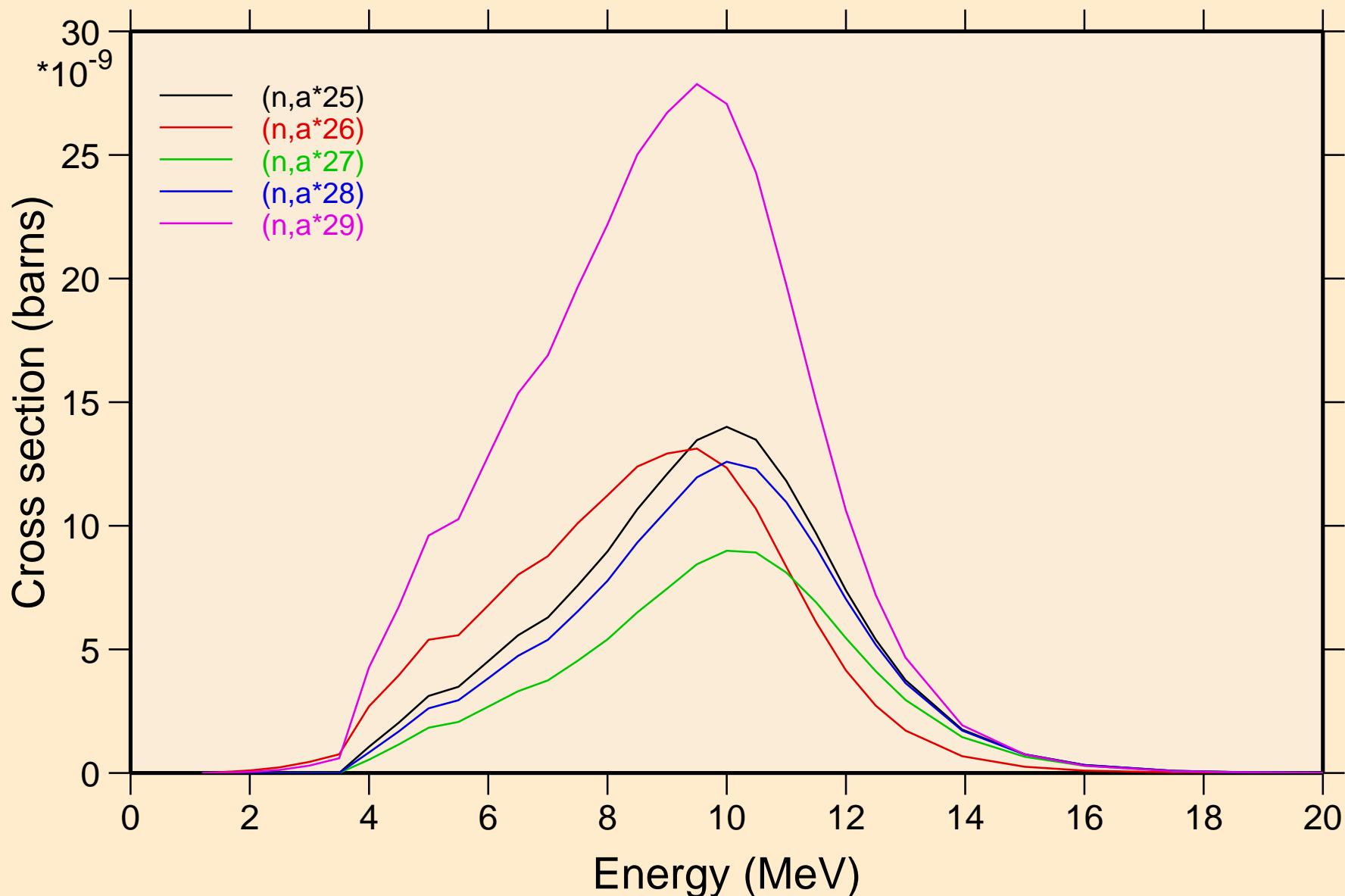
ENDF/B-VII GD-156

Threshold reactions



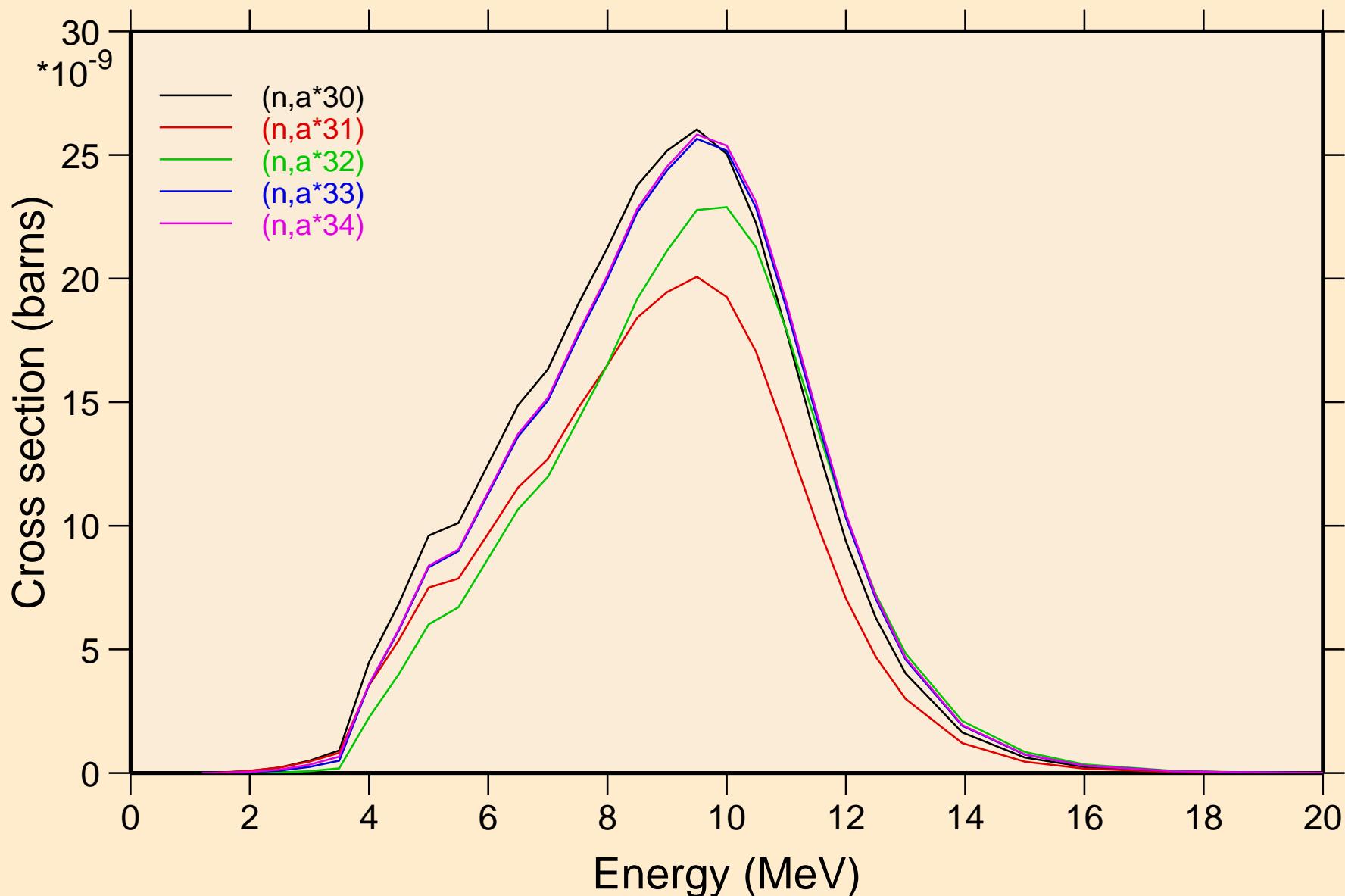
ENDF/B-VII GD-156

Threshold reactions

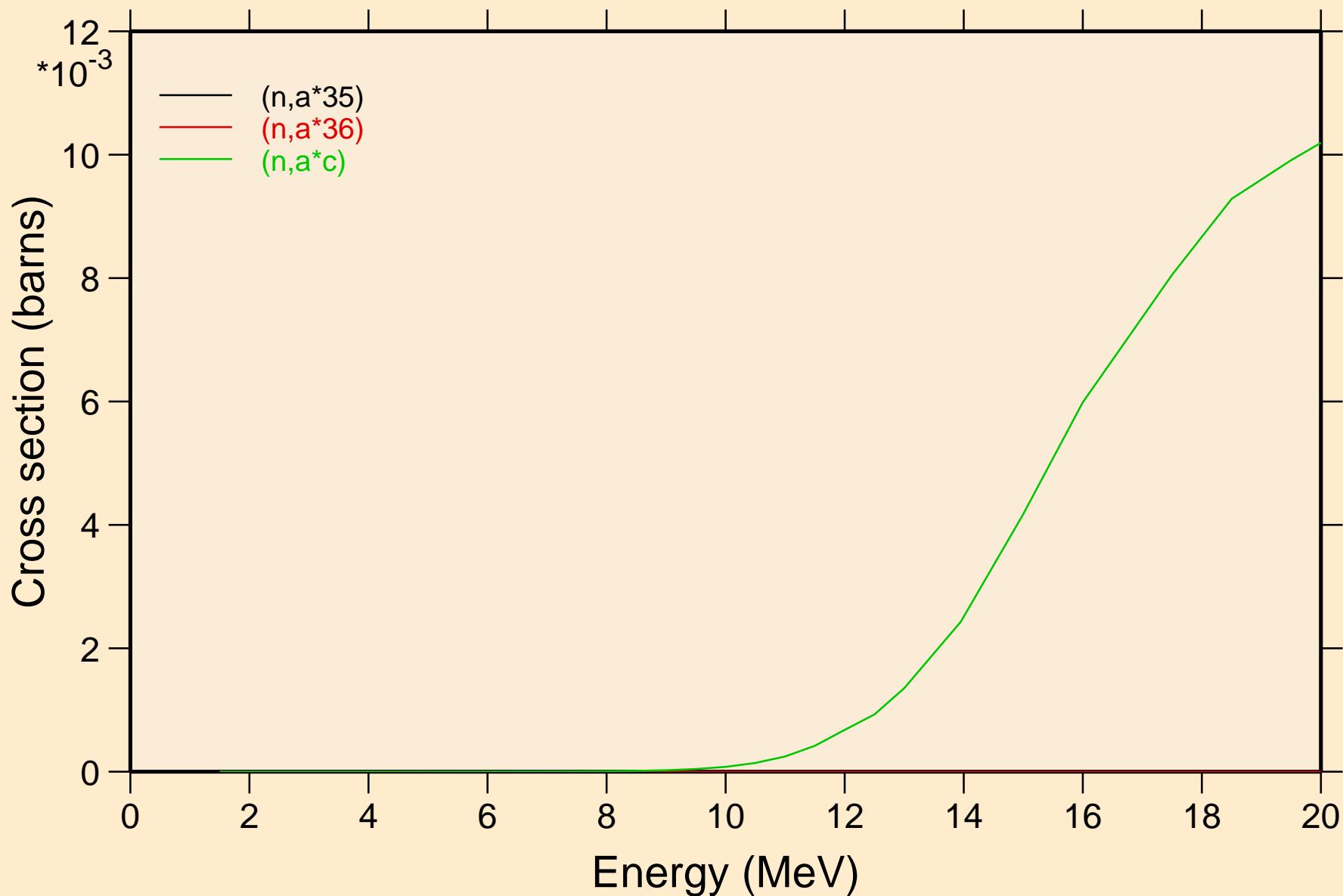


ENDF/B-VII GD-156

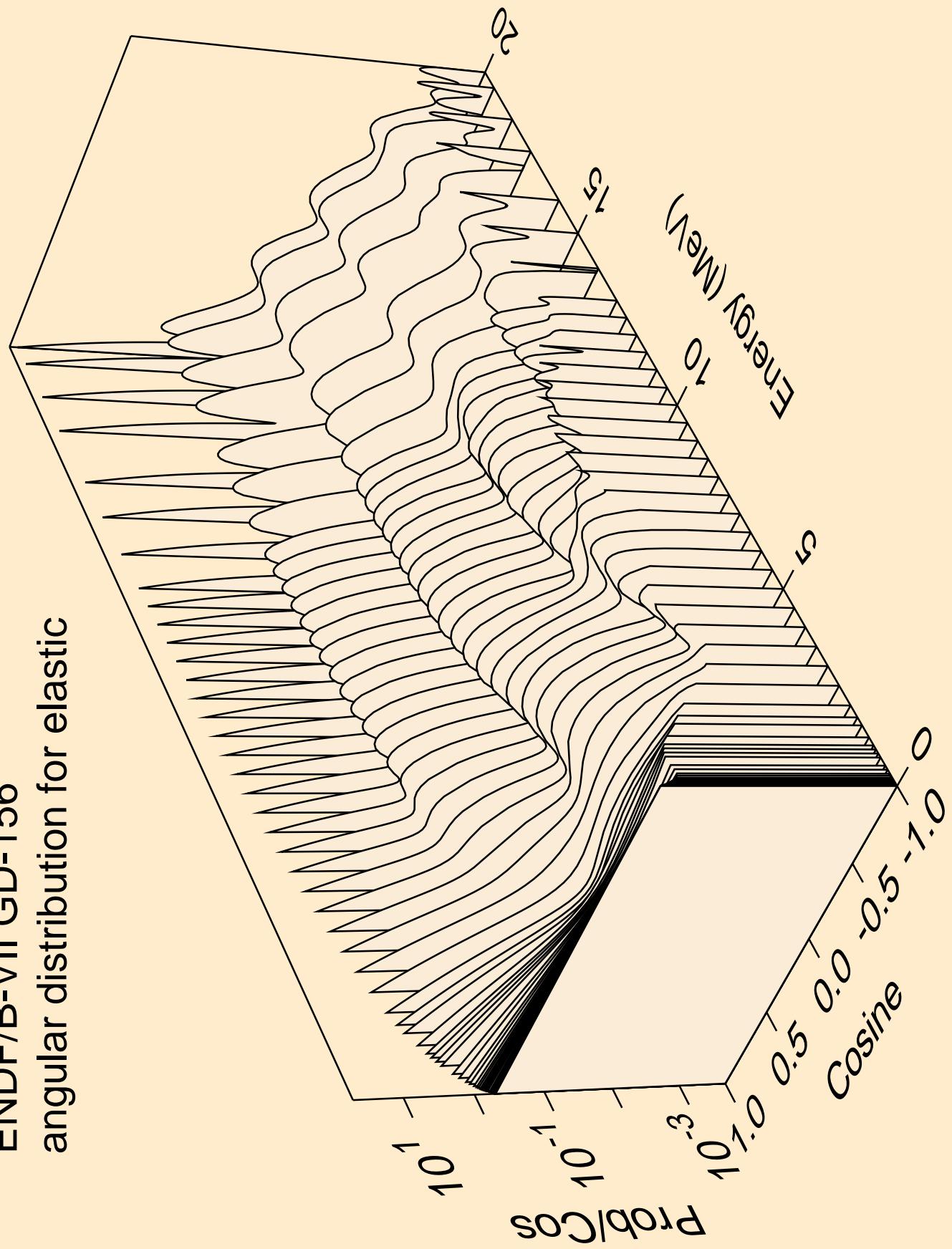
Threshold reactions



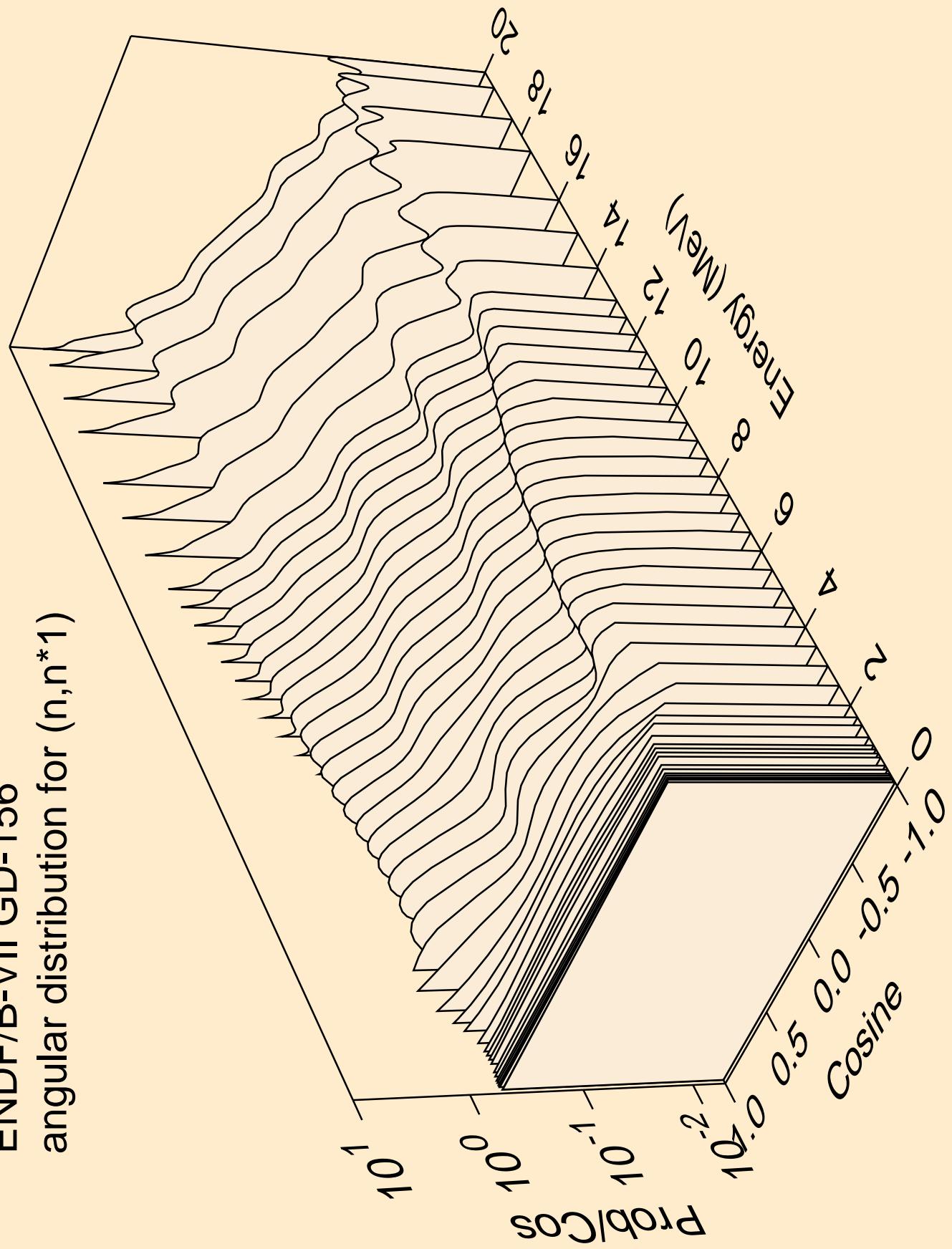
ENDF/B-VII GD-156
Threshold reactions



ENDF/B-VII GD-156
angular distribution for elastic

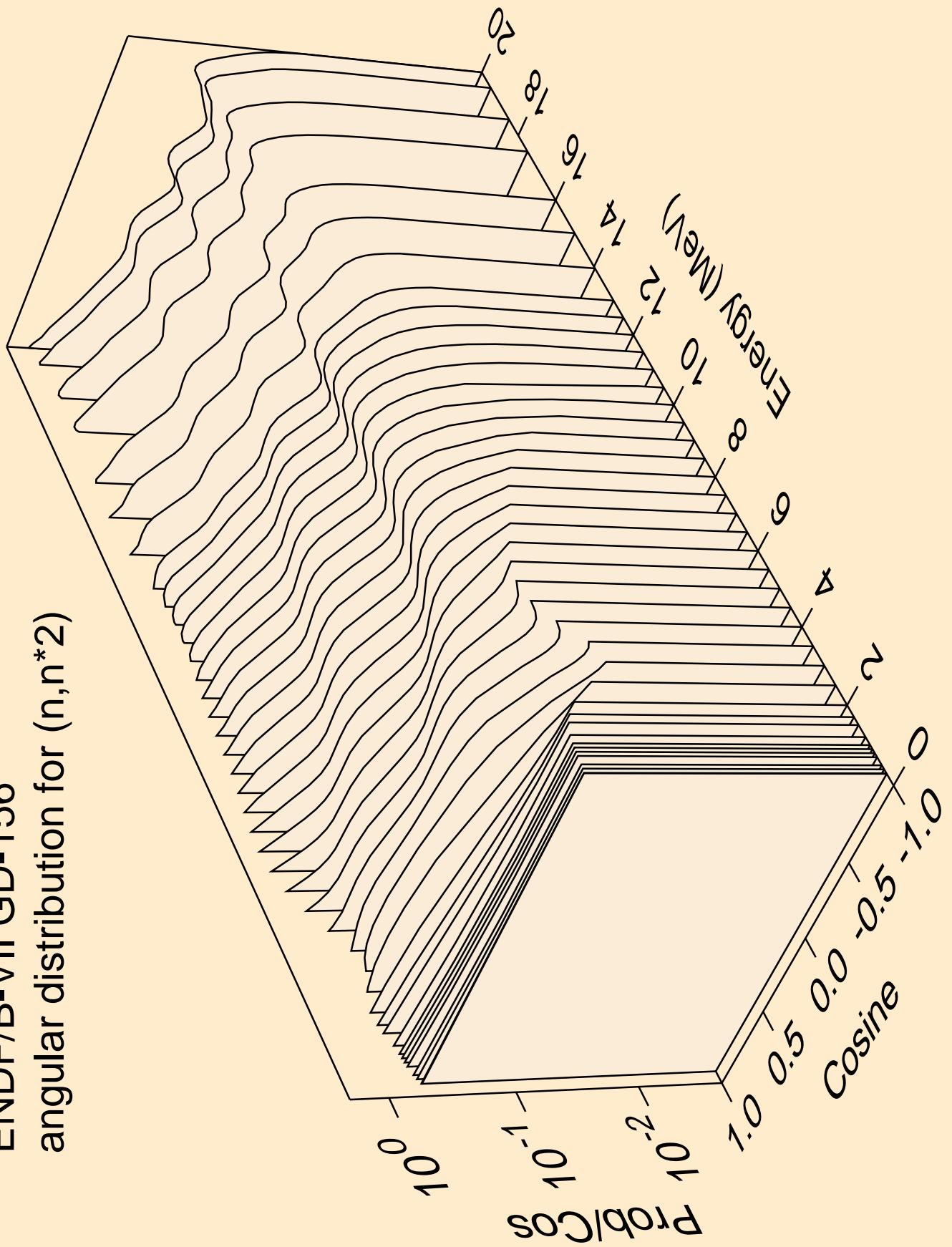


ENDF/B-VII GD-156
angular distribution for (n,n^*)



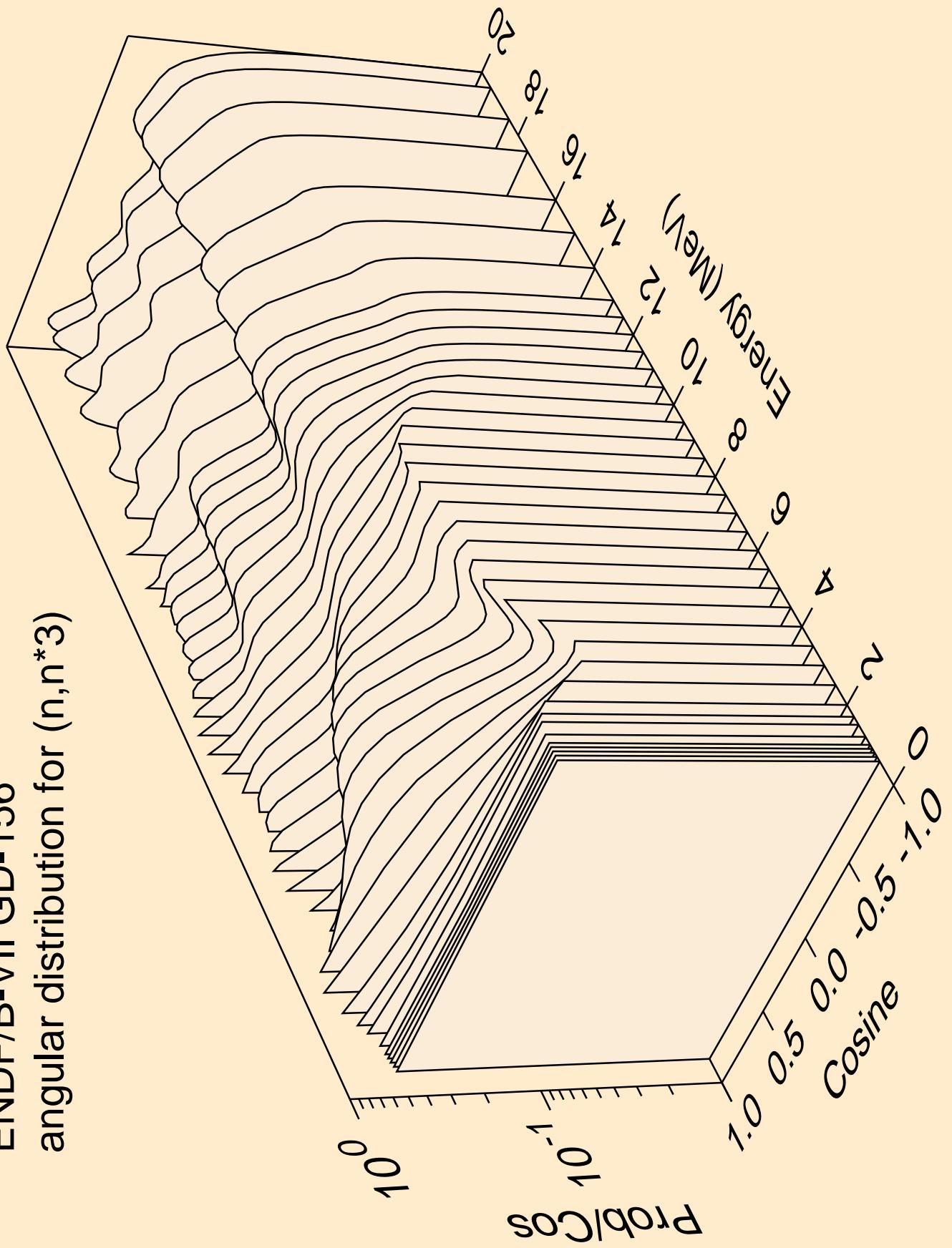
ENDF/B-VII GD-156

angular distribution for $(n, n^* 2)$

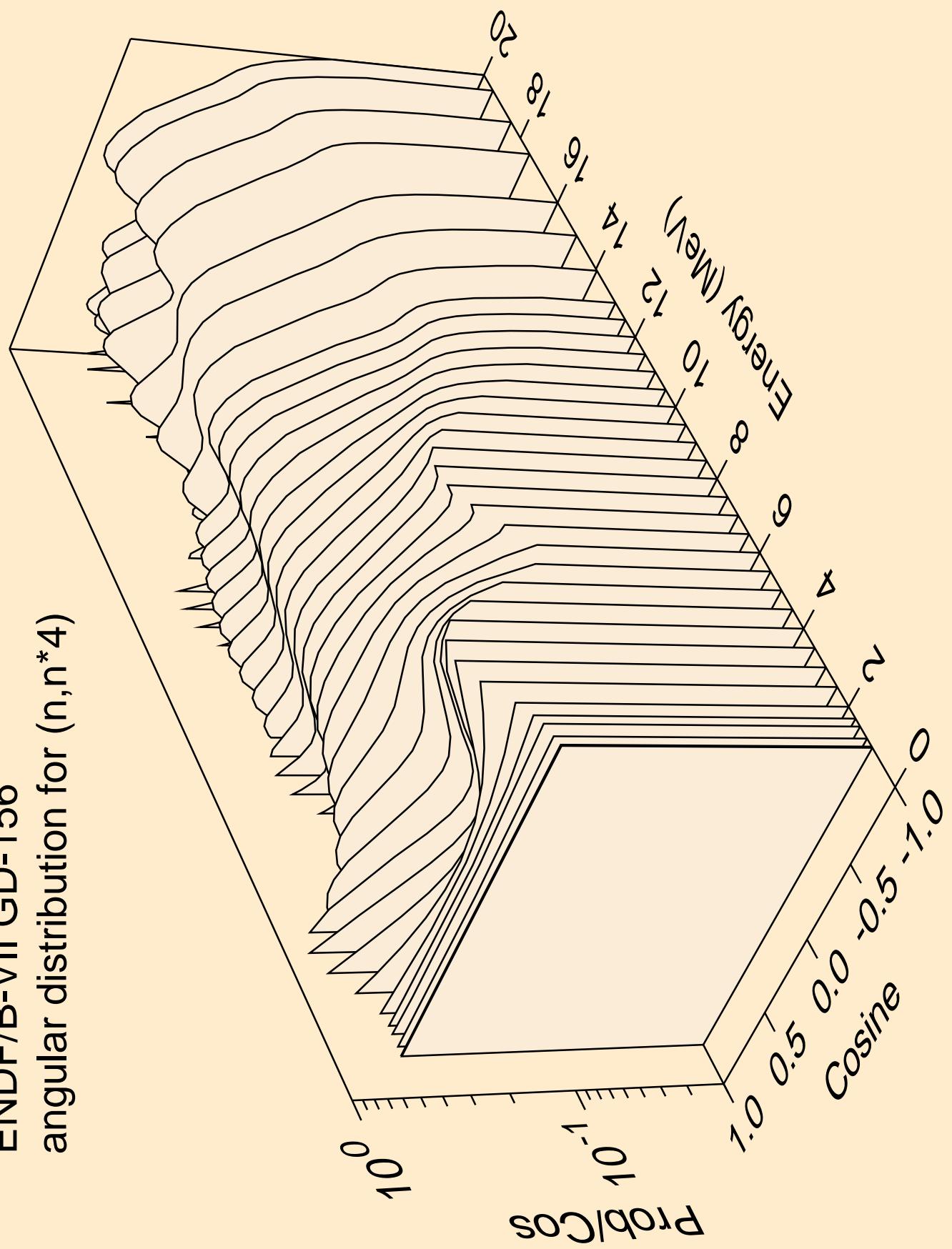


ENDF/B-VII GD-156

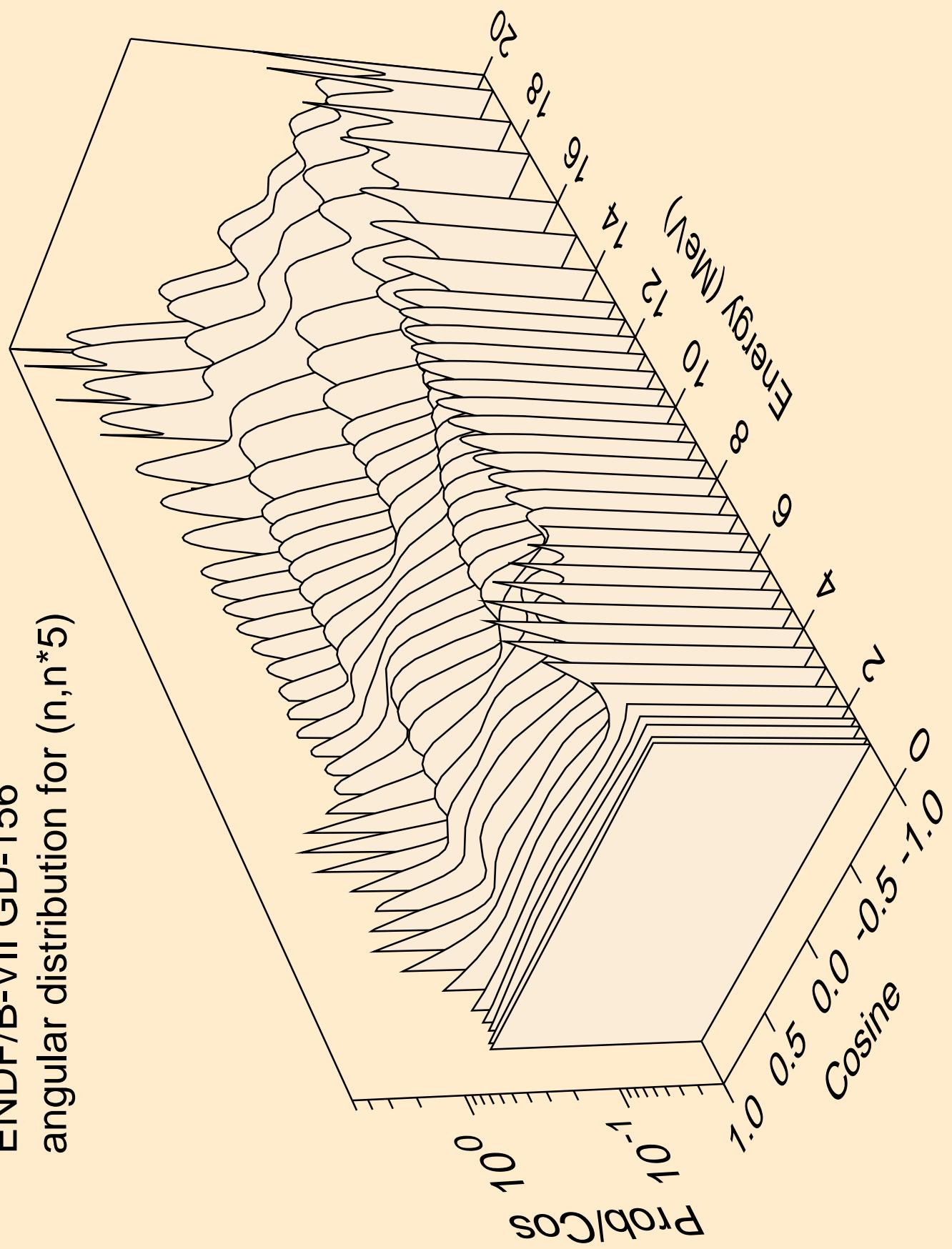
angular distribution for (n,n^*3)



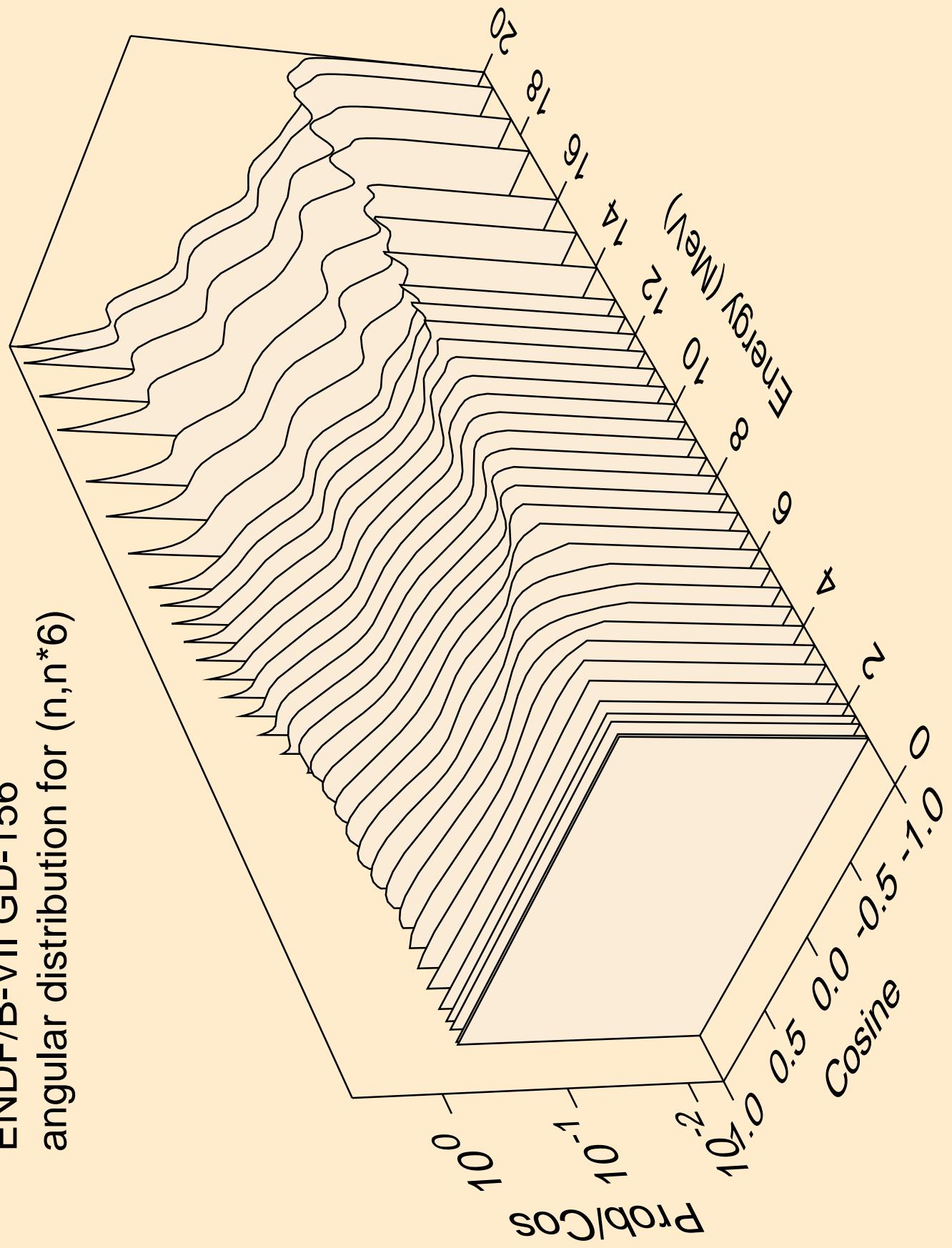
ENDF/B-VII GD-156
angular distribution for (n,n^*4)



ENDF/B-VII GD-156
angular distribution for (n,n*5)

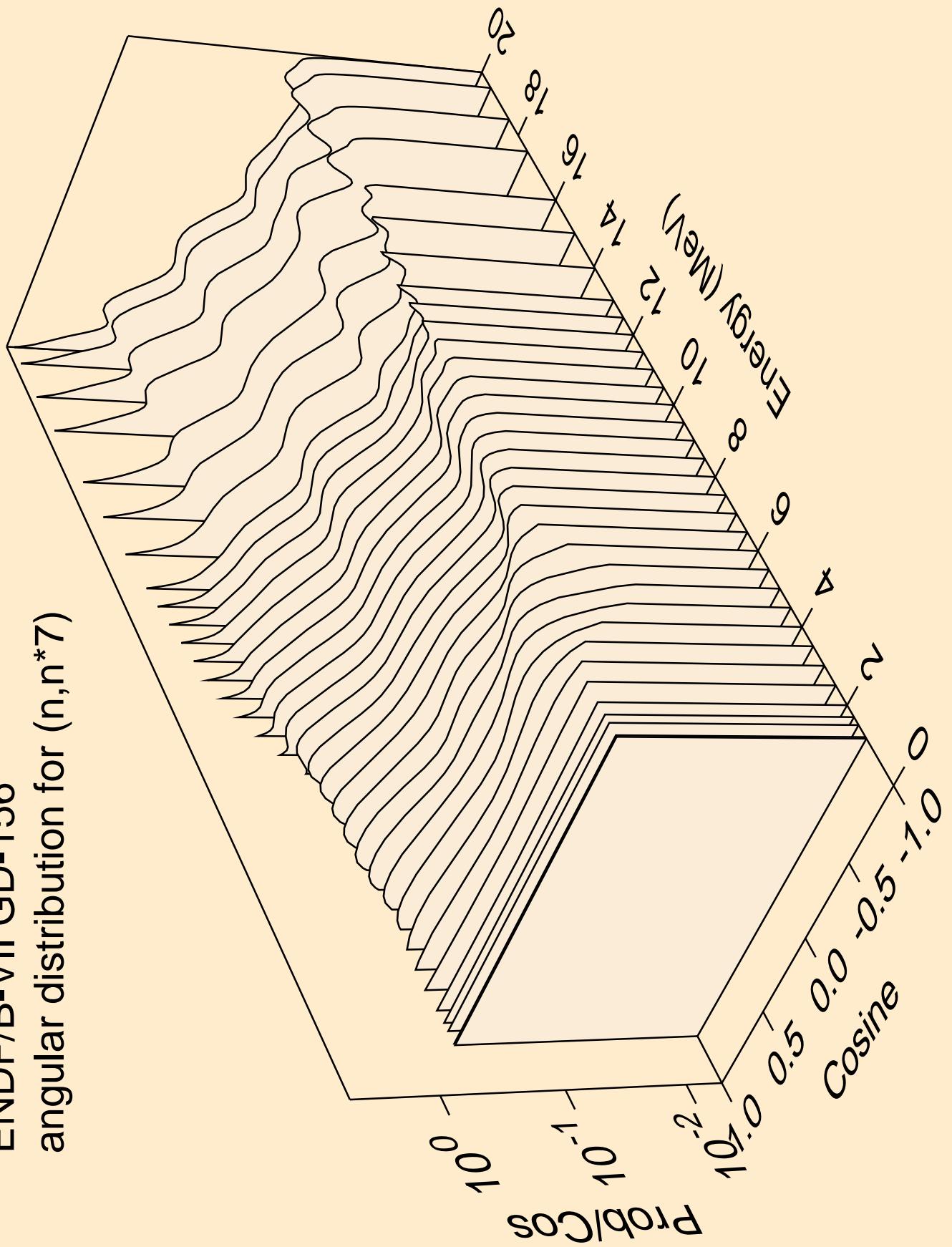


ENDF/B-VII GD-156
angular distribution for (n,n*6)



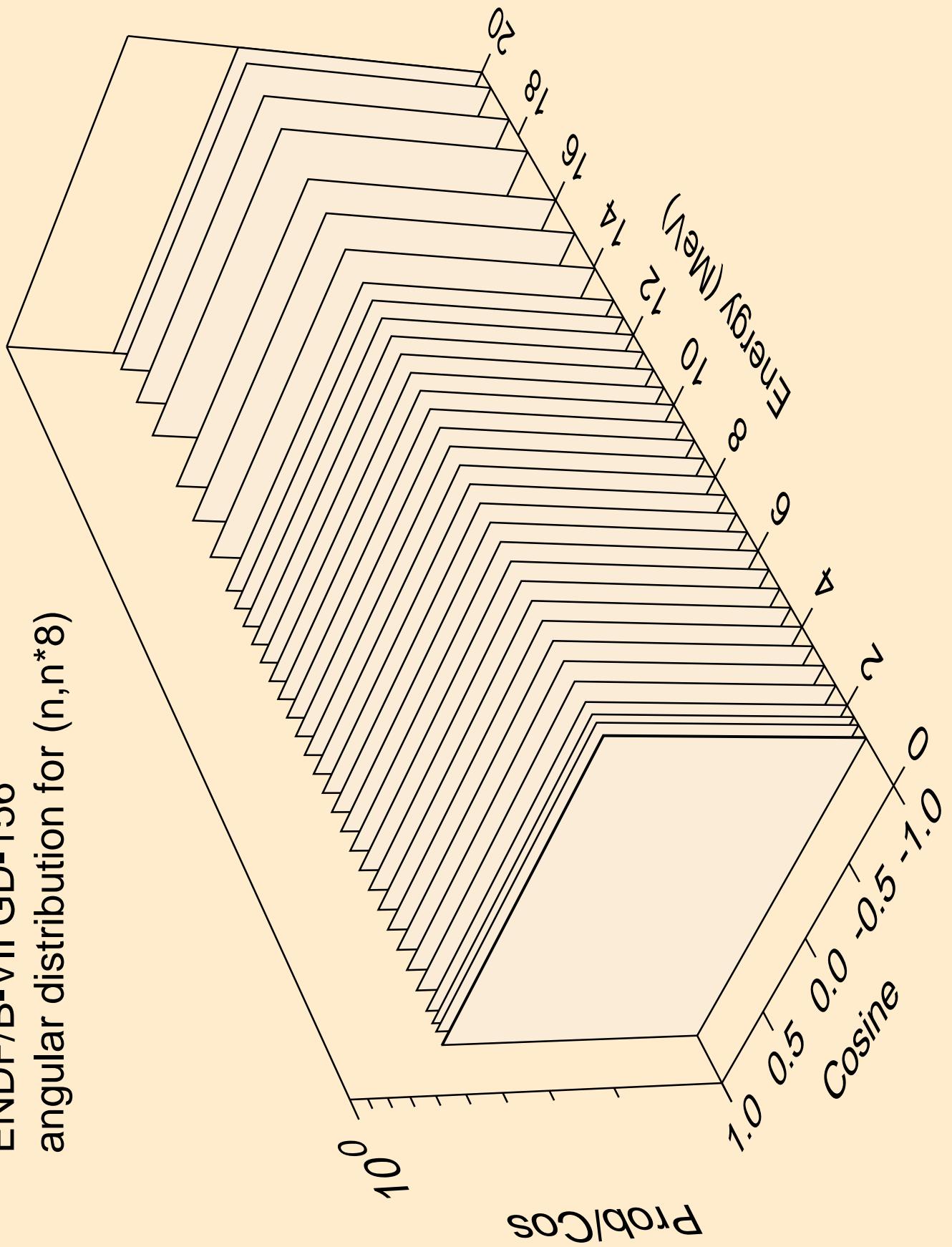
ENDF/B-VII GD-156

angular distribution for (n,n*7)

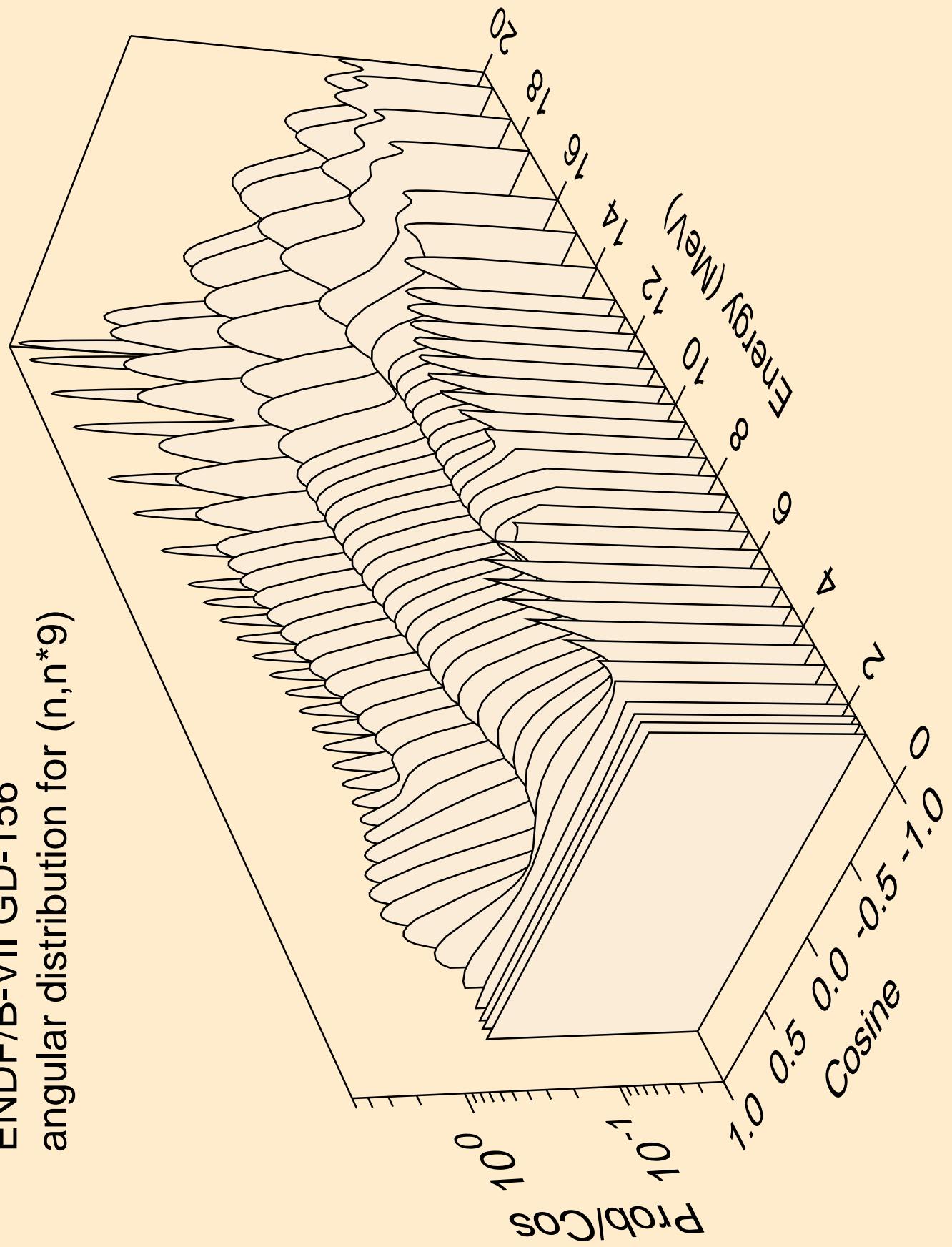


ENDF/B-VII GD-156

angular distribution for (n,n*8)

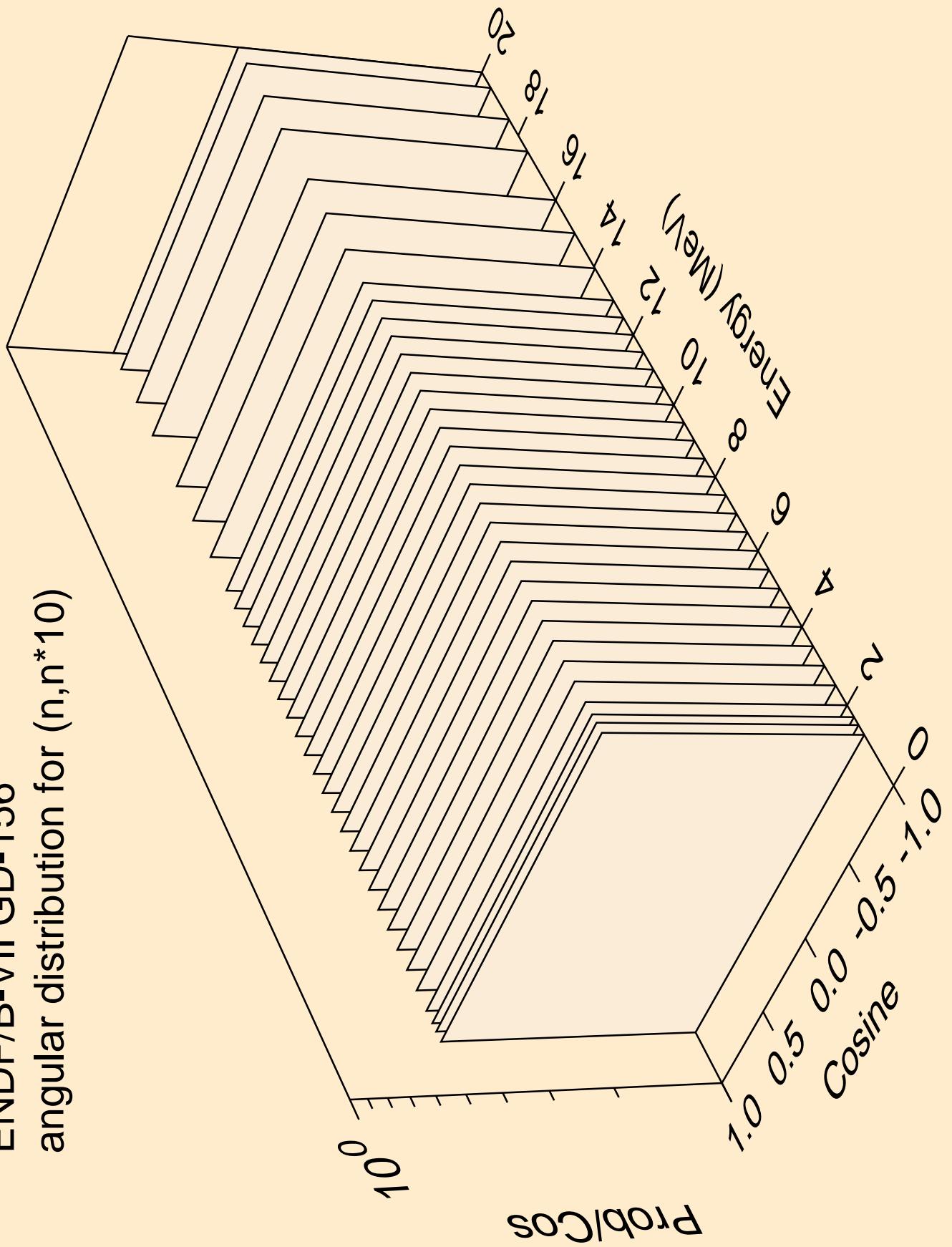


ENDF/B-VII GD-156
angular distribution for (n,n*9)



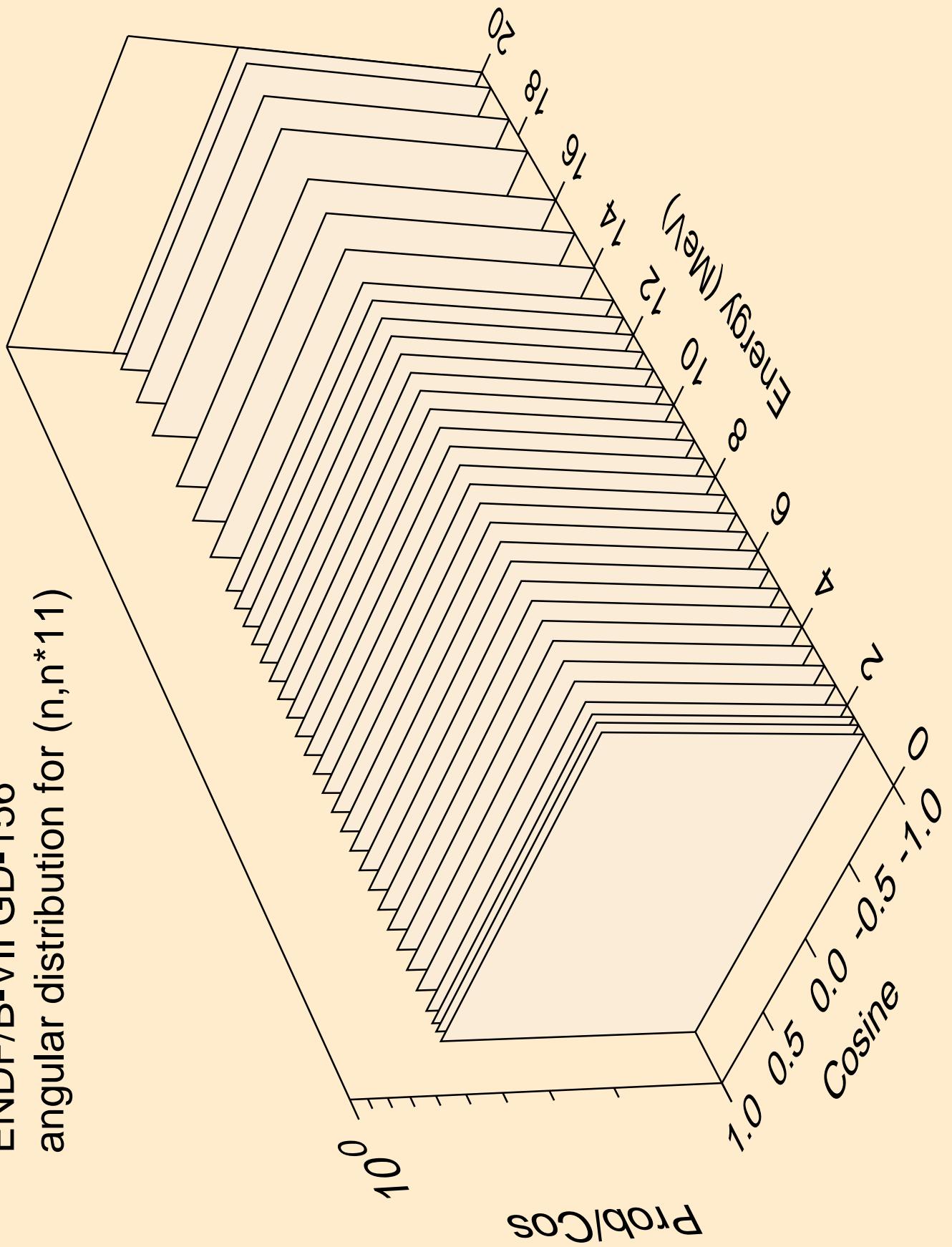
ENDF/B-VII GD-156

angular distribution for (n,n^*10)



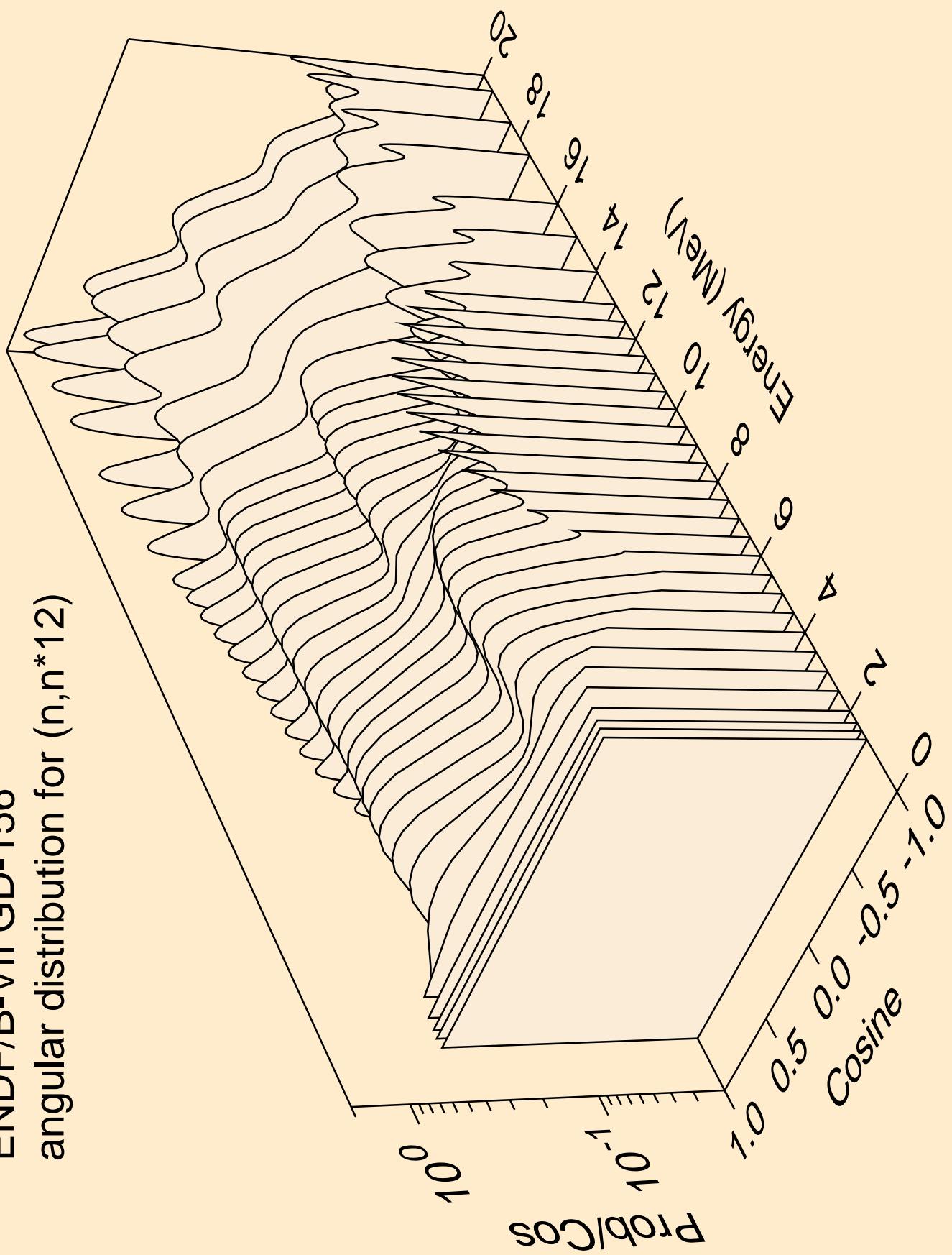
ENDF/B-VII GD-156

angular distribution for (n,n*11)



ENDF/B-VII GD-156

angular distribution for (n,n*12)



ENDF/B-VII GD-156

angular distribution for (n,n*13)

10^0

Prob/Cos

1.0

0.5

0.0

-0.5

-1.0

Cosine

0

2

4

6

8

10

12

14

16

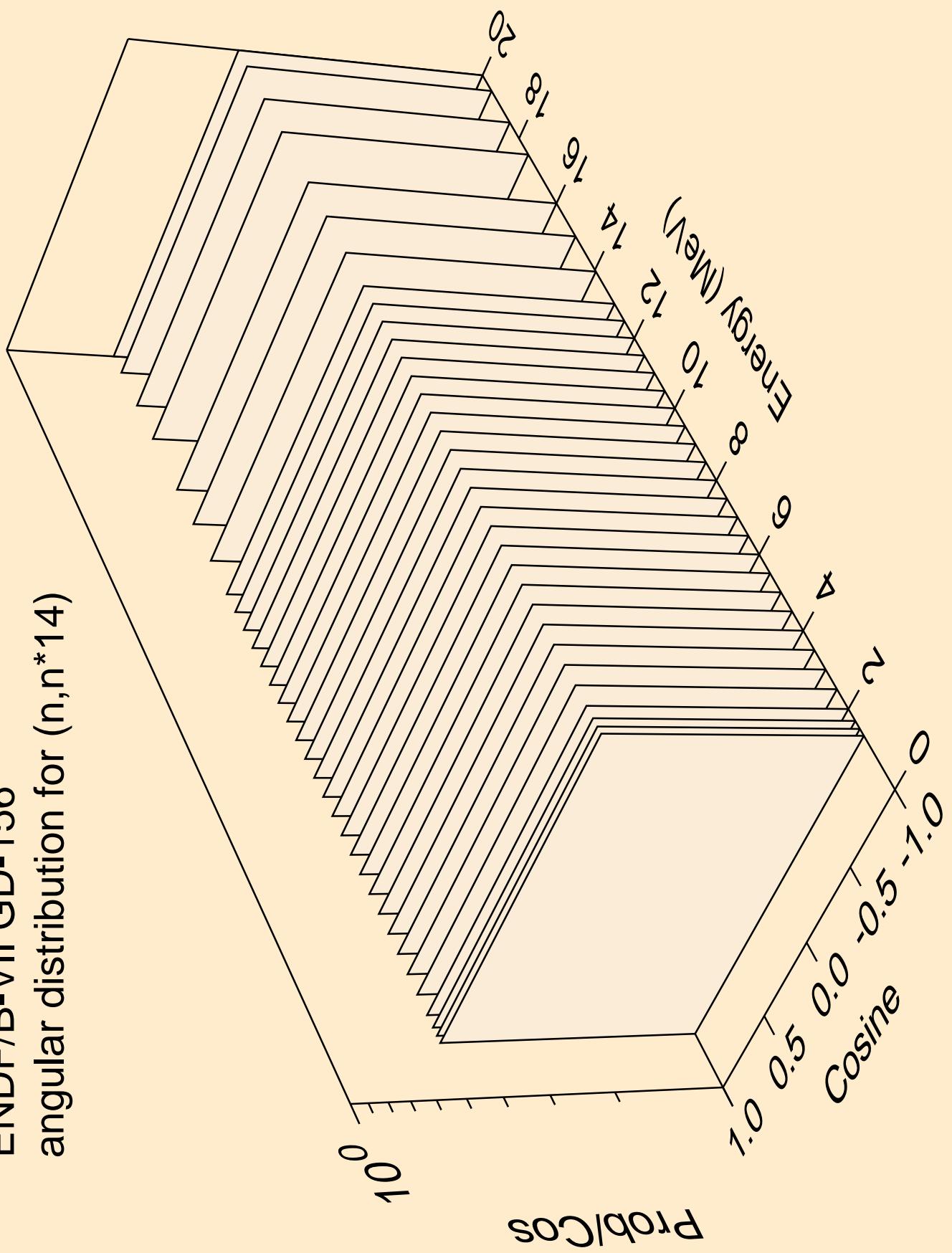
18

20

Energy (MeV)

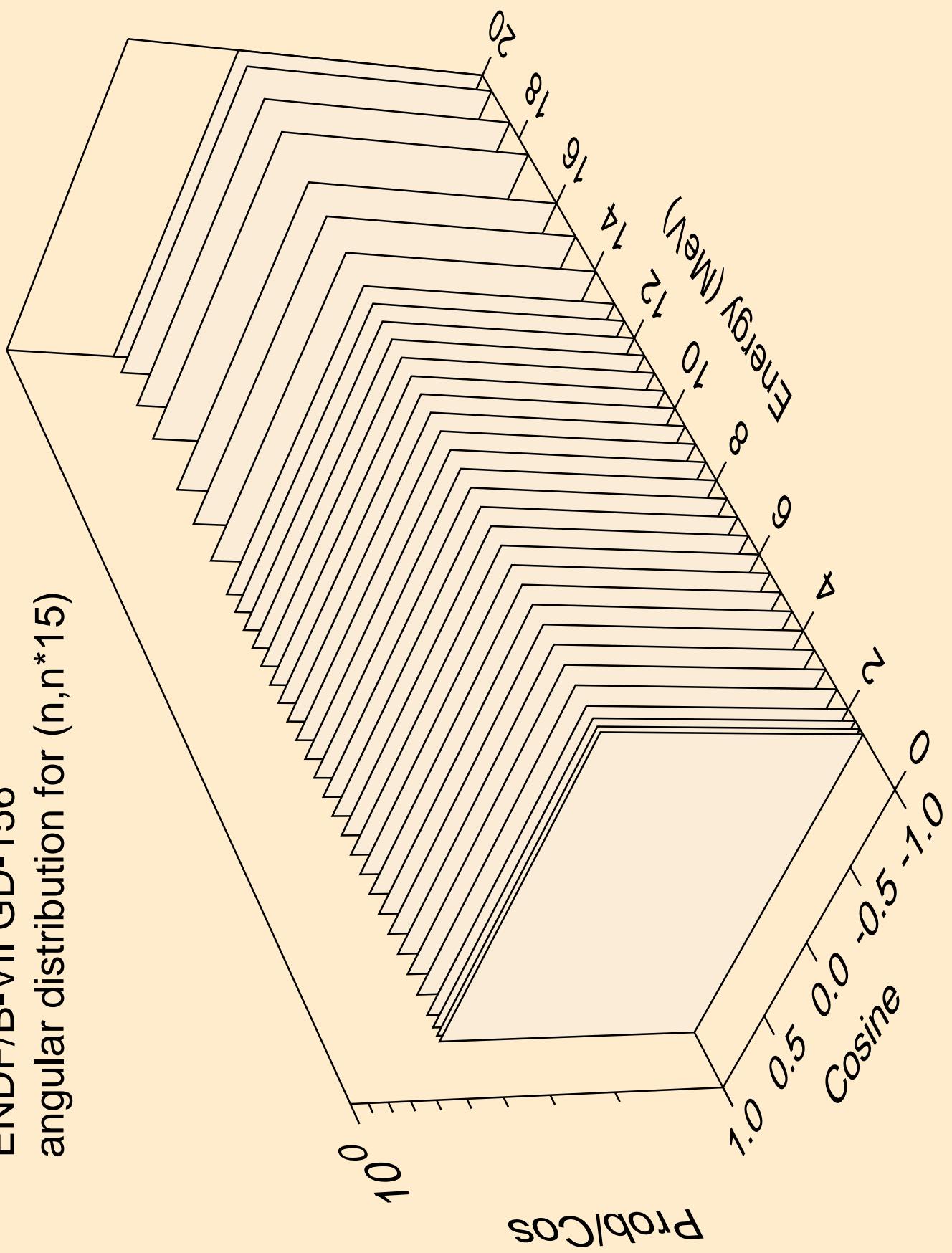
ENDF/B-VII GD-156

angular distribution for (n,n^*14)



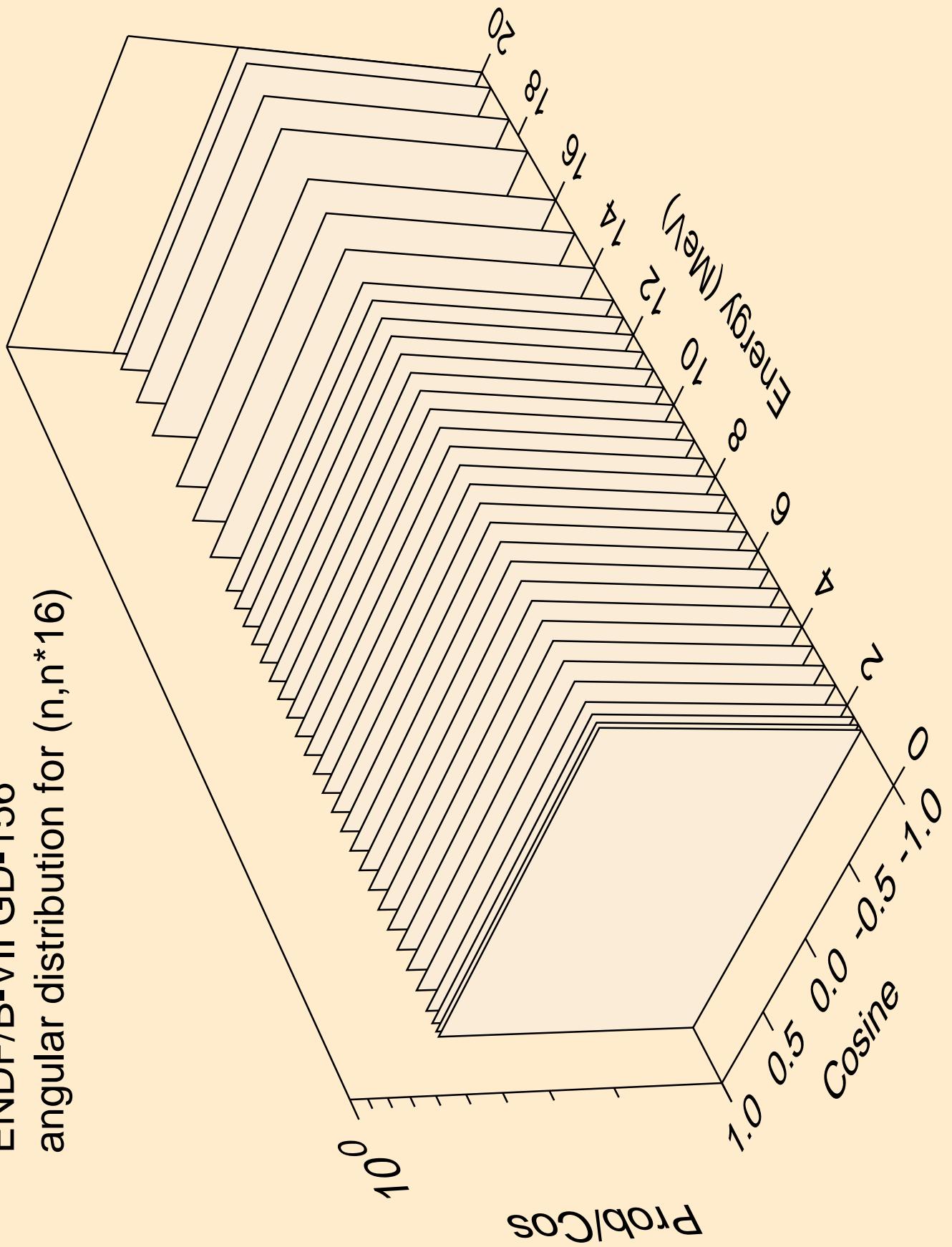
ENDF/B-VII GD-156

angular distribution for (n,n^*15)



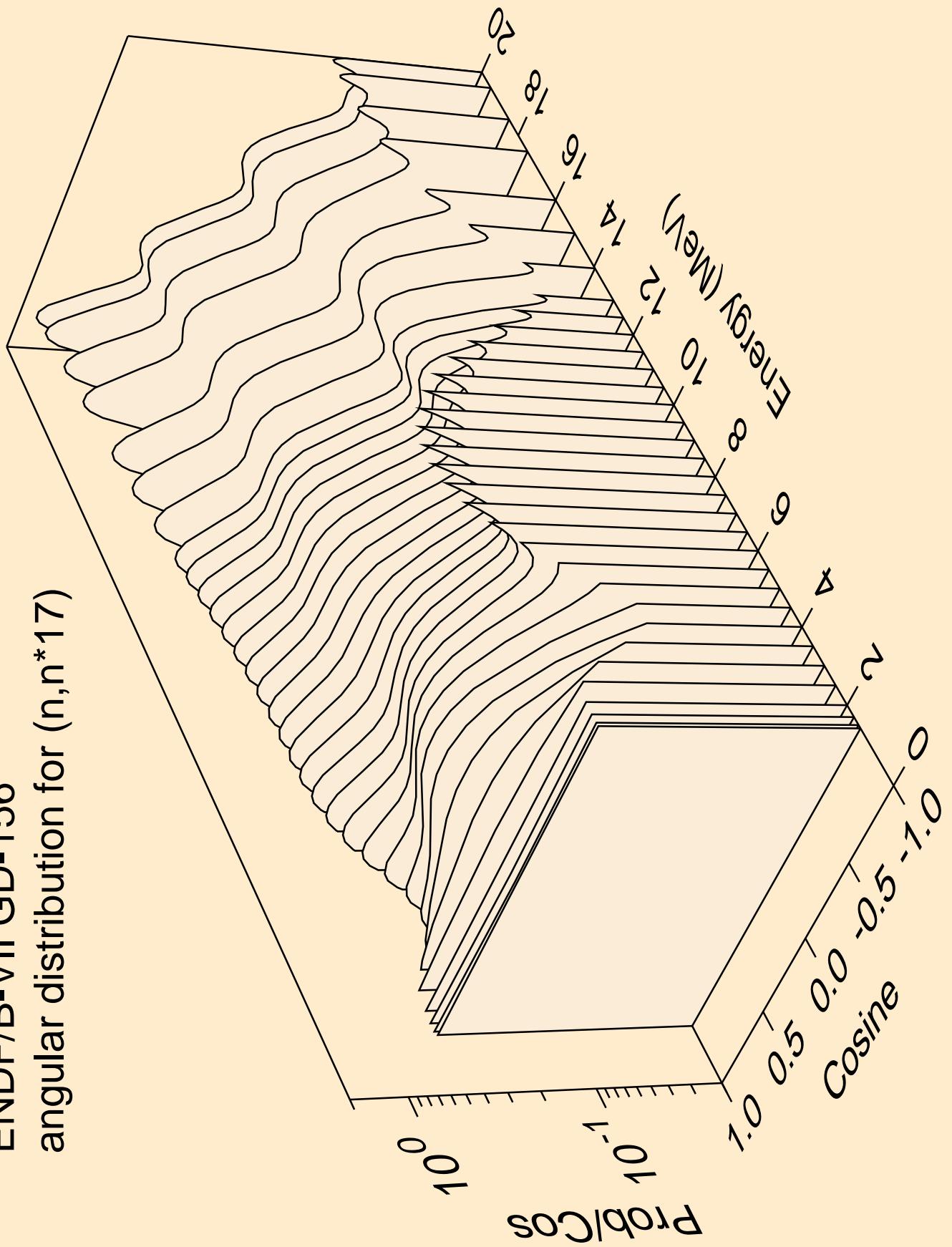
ENDF/B-VII GD-156

angular distribution for (n,n*16)



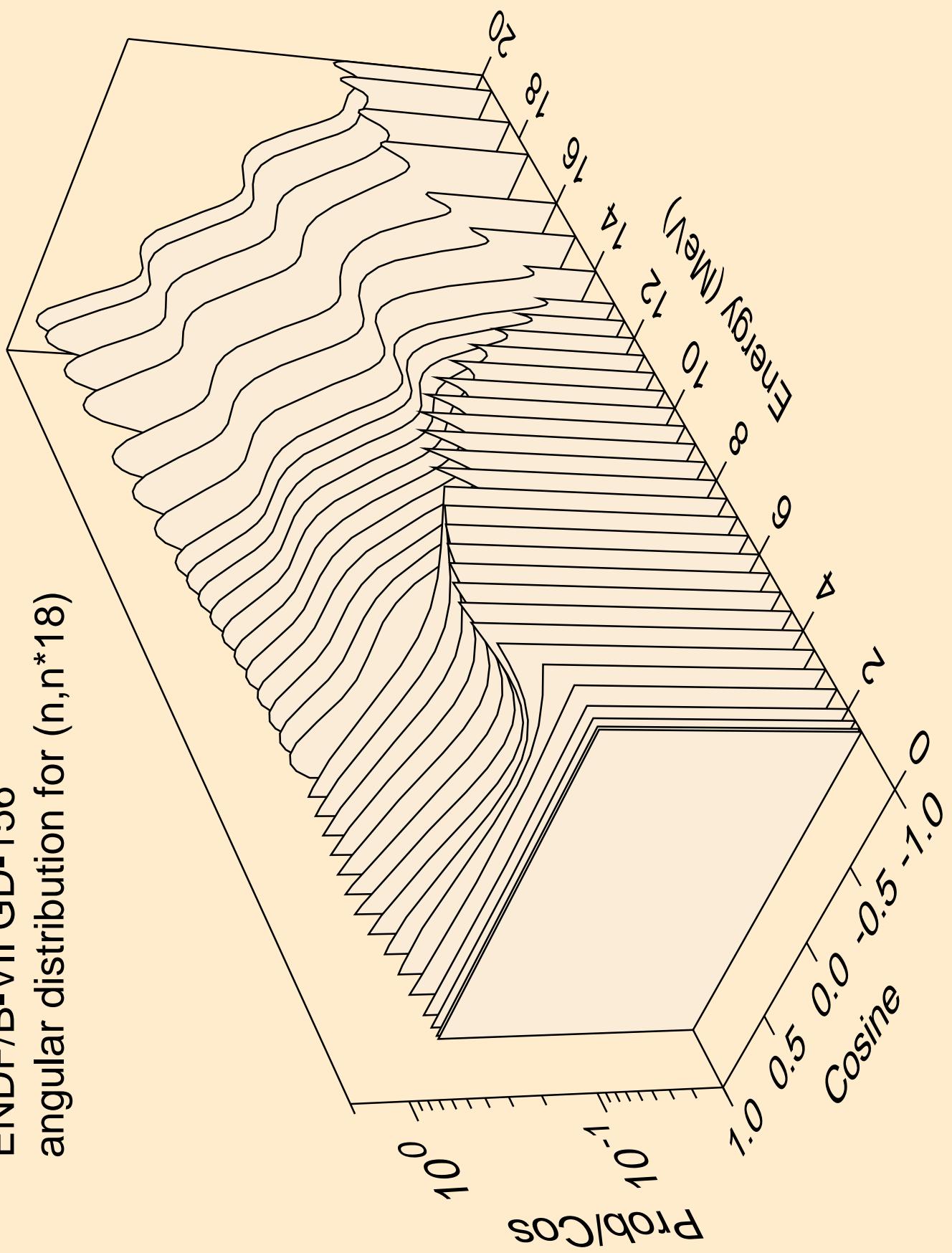
ENDF/B-VII GD-156

angular distribution for (n,n^*17)



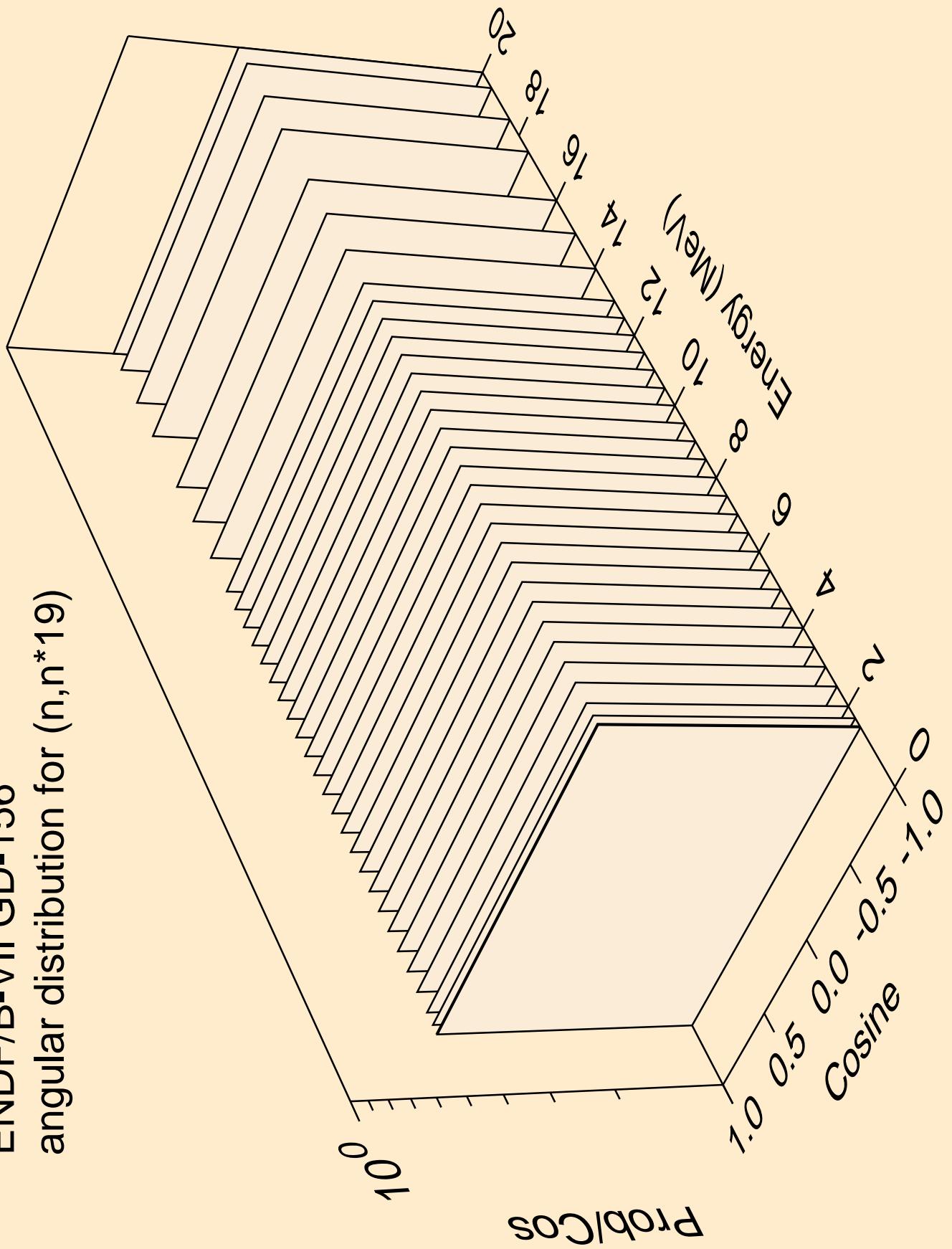
ENDF/B-VII GD-156

angular distribution for (n,n^*18)



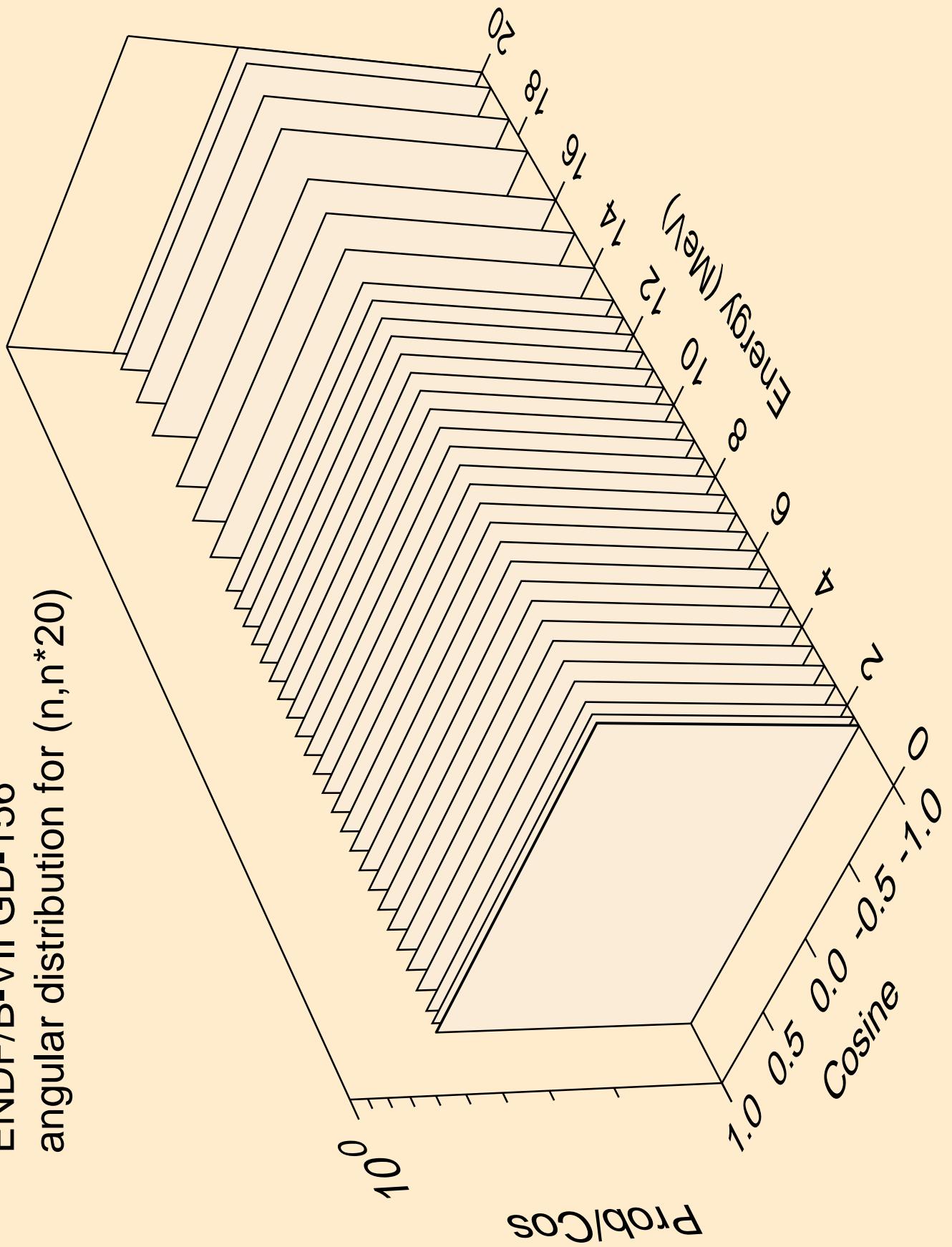
ENDF/B-VII GD-156

angular distribution for (n,n*19)



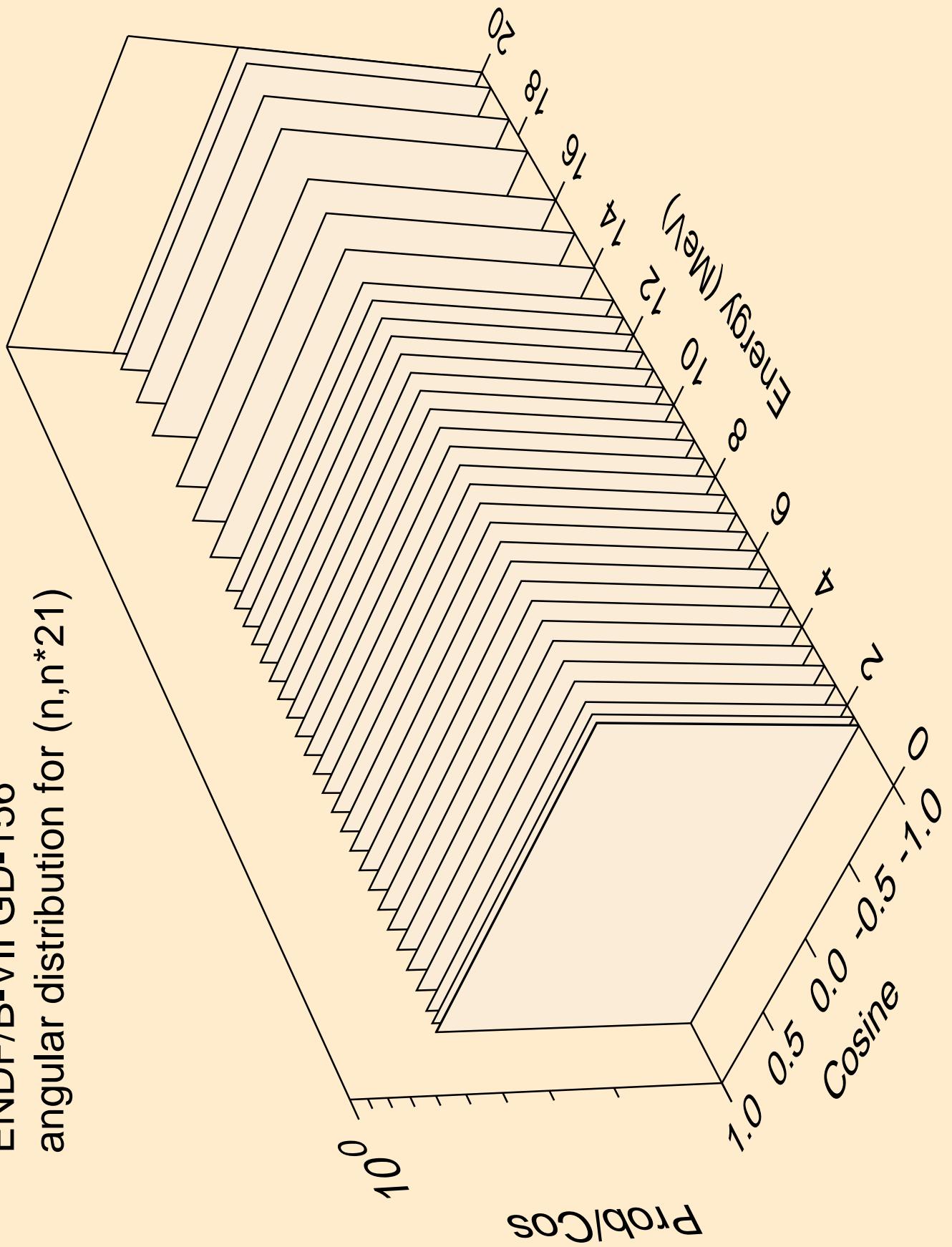
ENDF/B-VII GD-156

angular distribution for (n,n^*20)



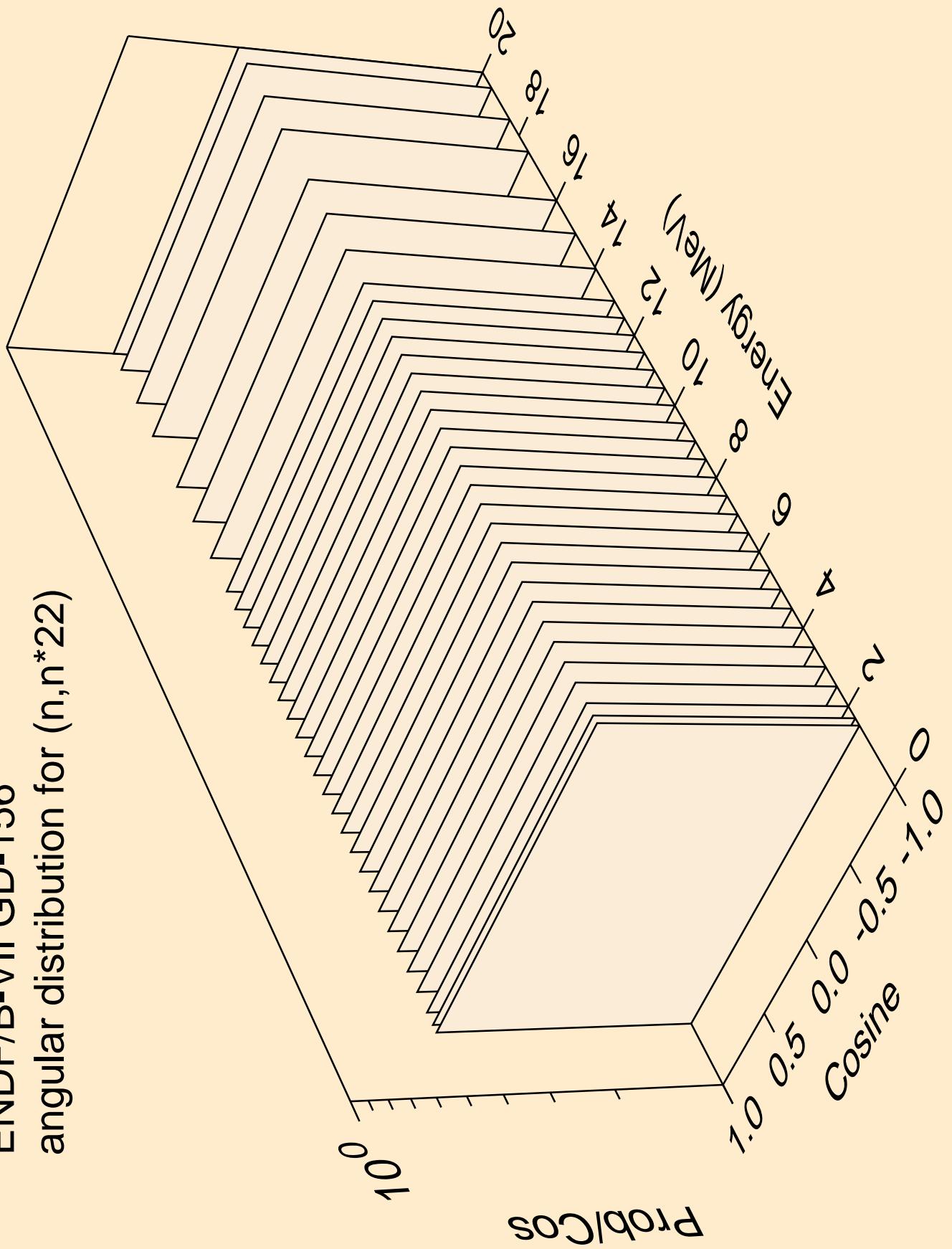
ENDF/B-VII GD-156

angular distribution for (n,n^*21)



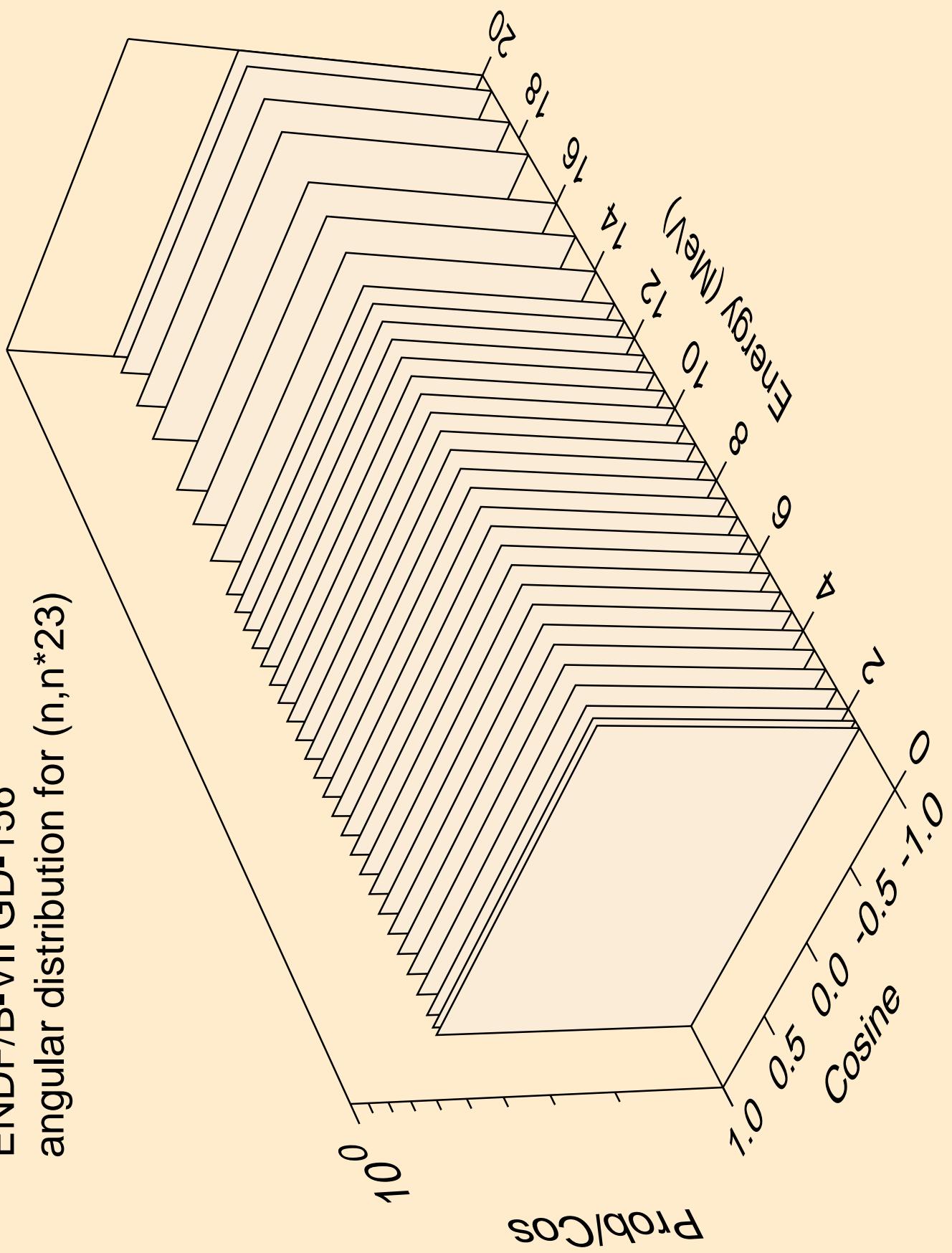
ENDF/B-VII GD-156

angular distribution for (n,n^*22)



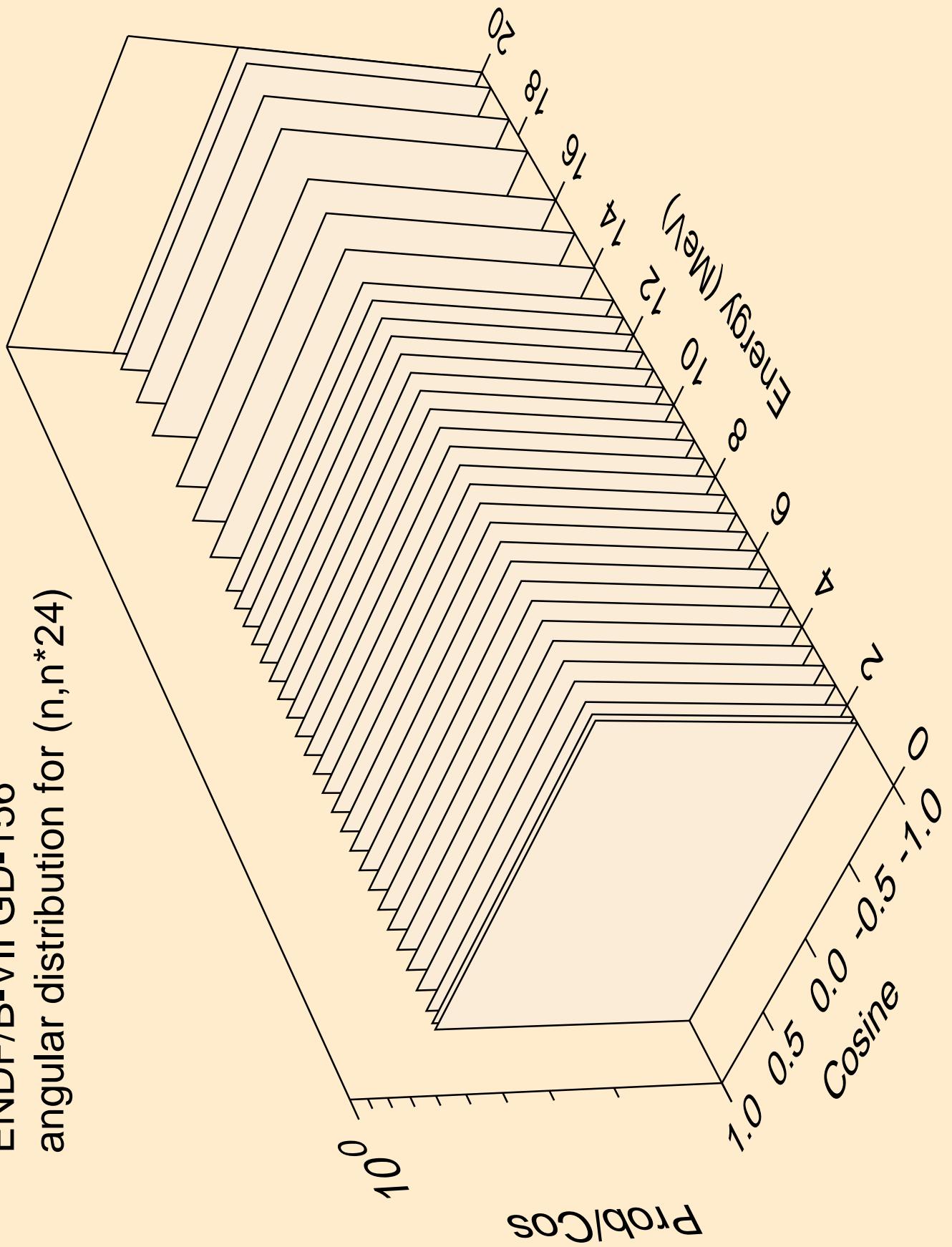
ENDF/B-VII GD-156

angular distribution for (n,n^*23)



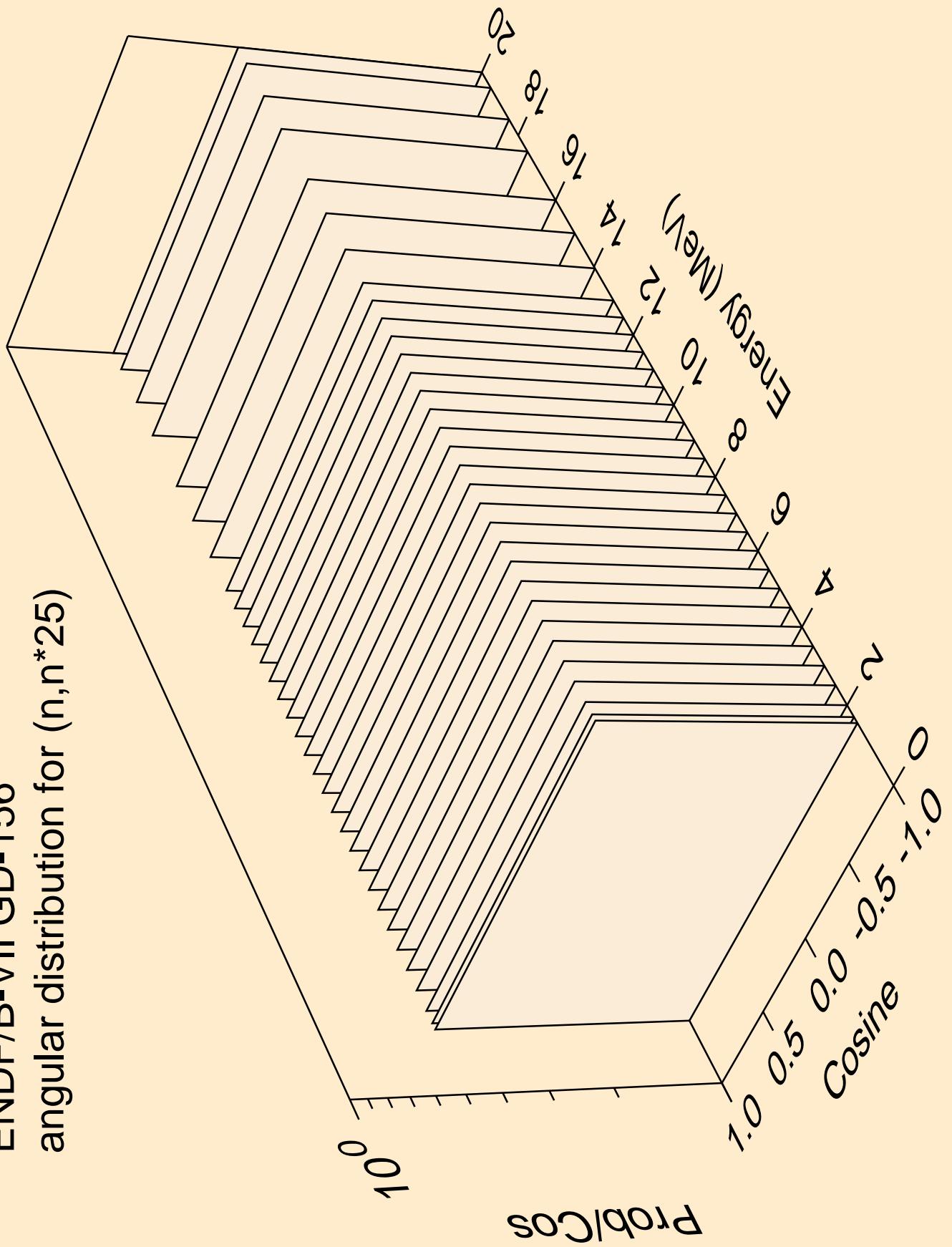
ENDF/B-VII GD-156

angular distribution for (n,n*24)



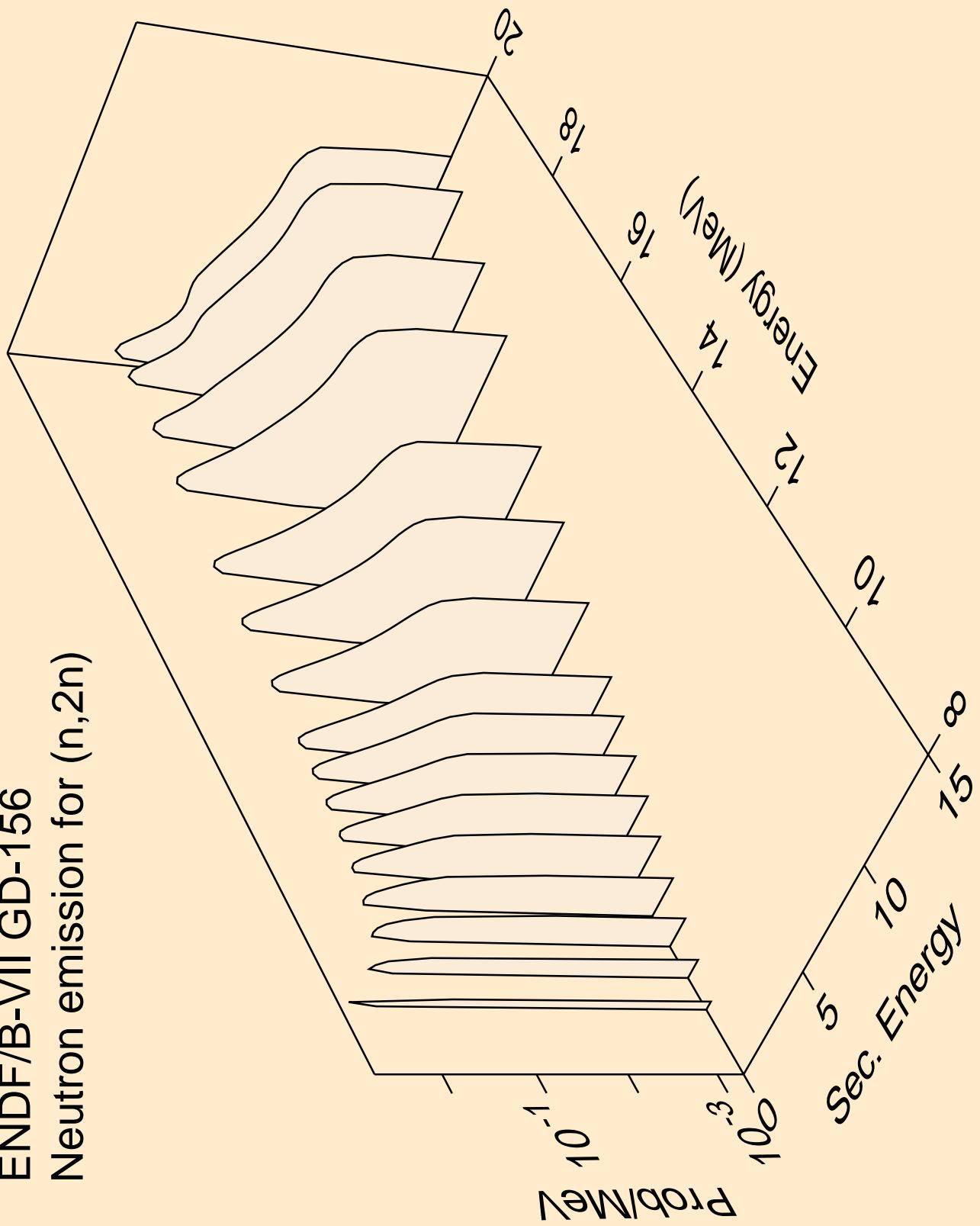
ENDF/B-VII GD-156

angular distribution for (n,n^*25)



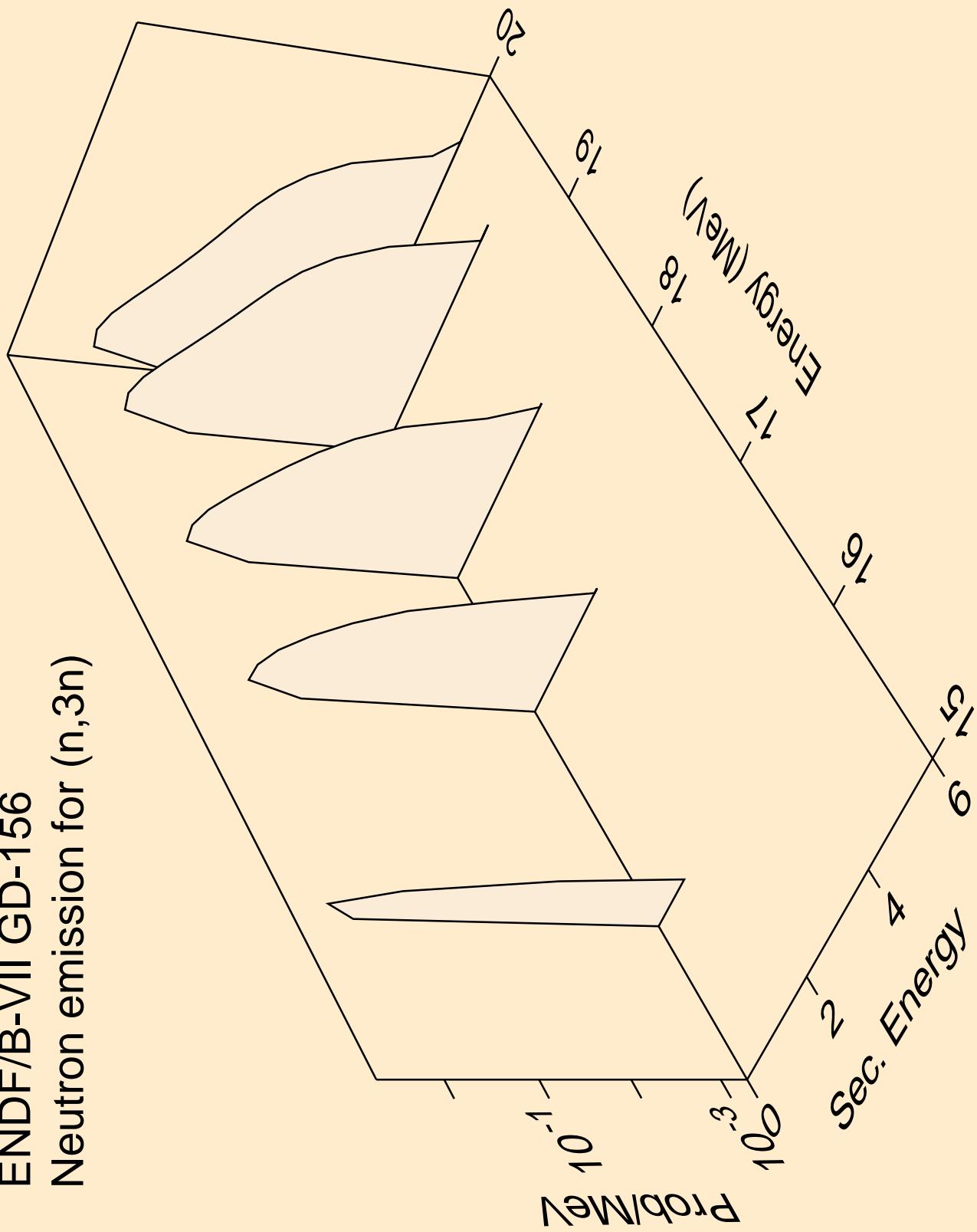
ENDF/B-VII GD-156

Neutron emission for $(n,2n)$



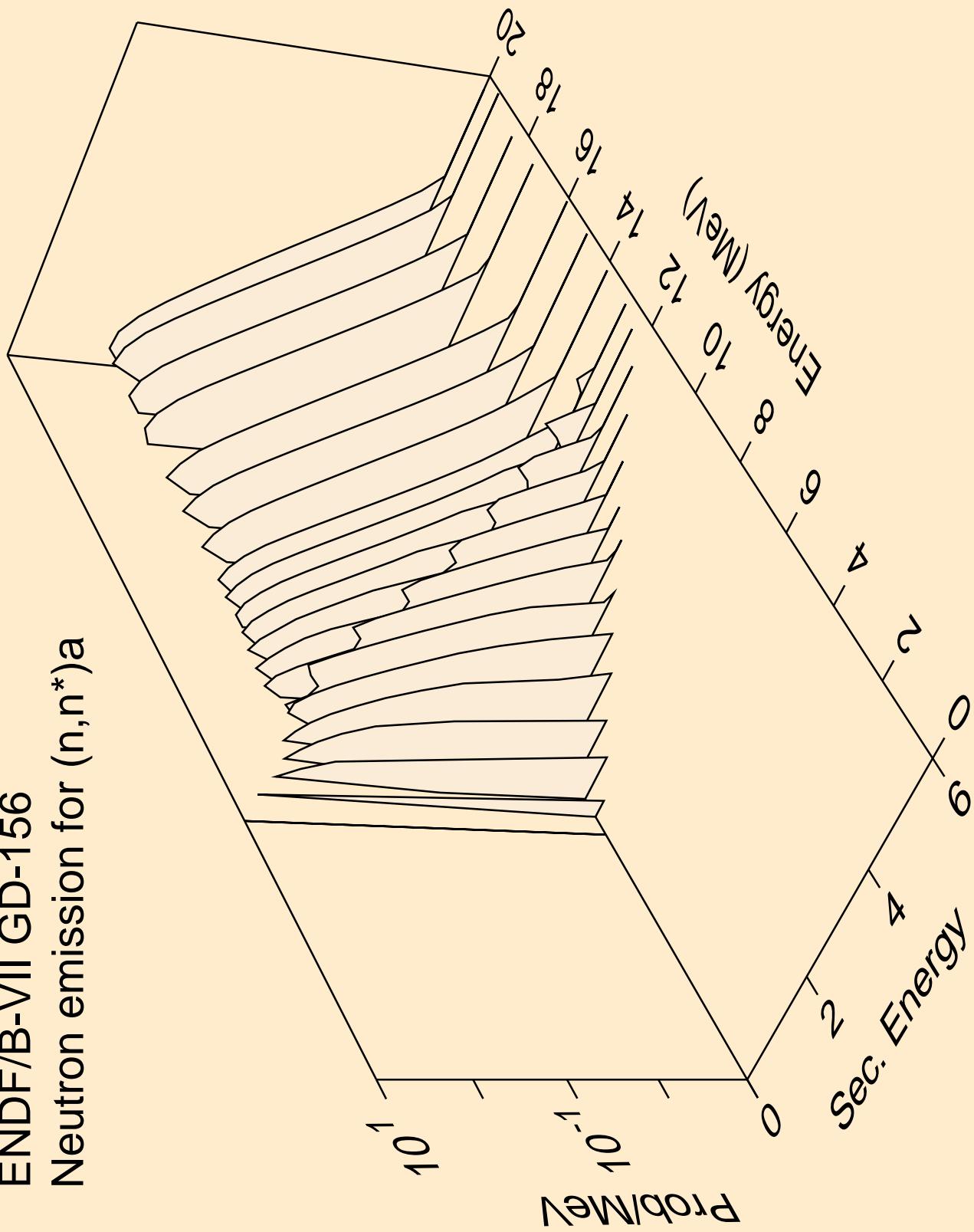
ENDF/B-VII GD-156

Neutron emission for $(n, 3n)$



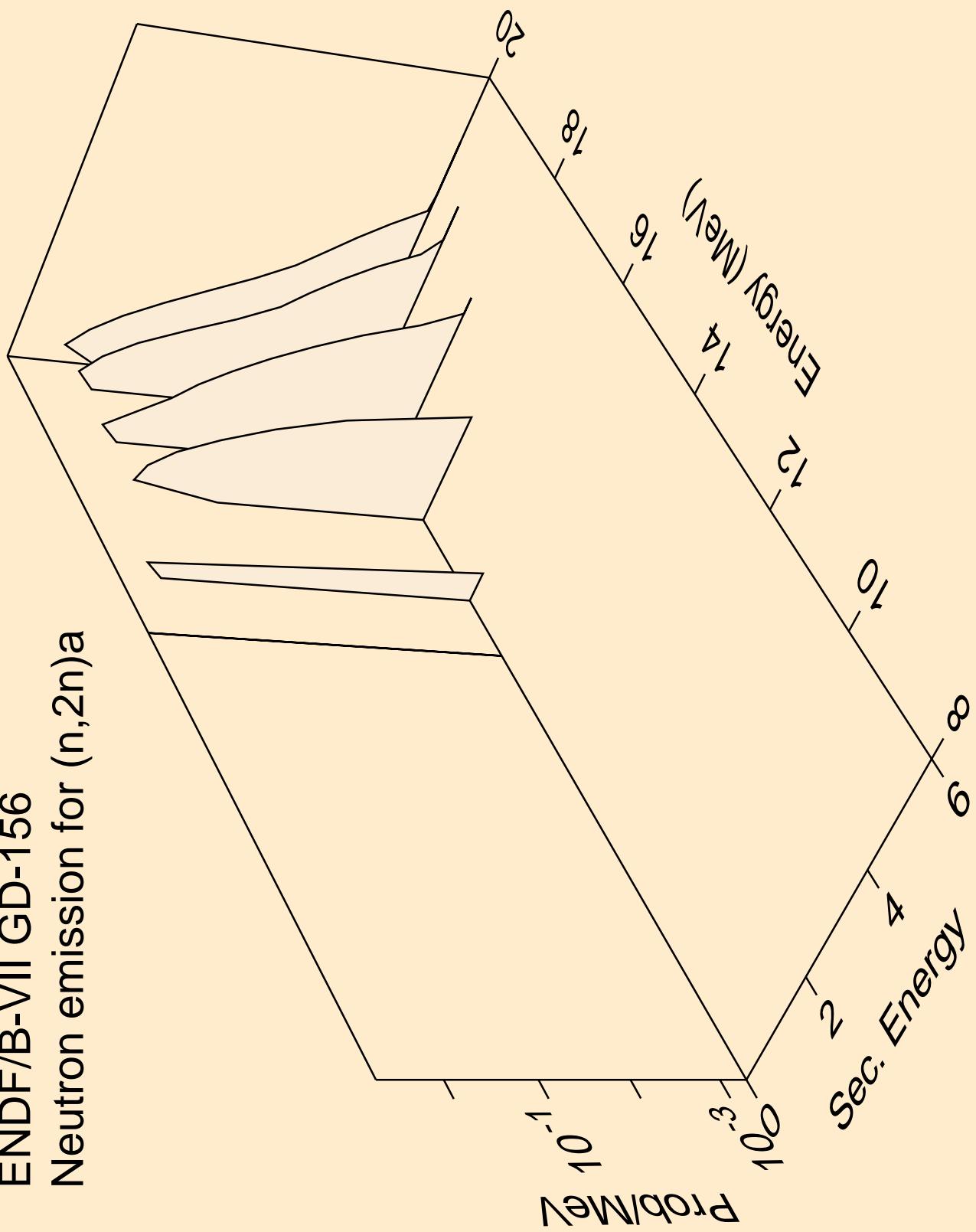
ENDF/B-VII GD-156

Neutron emission for $(n, n^*)a$



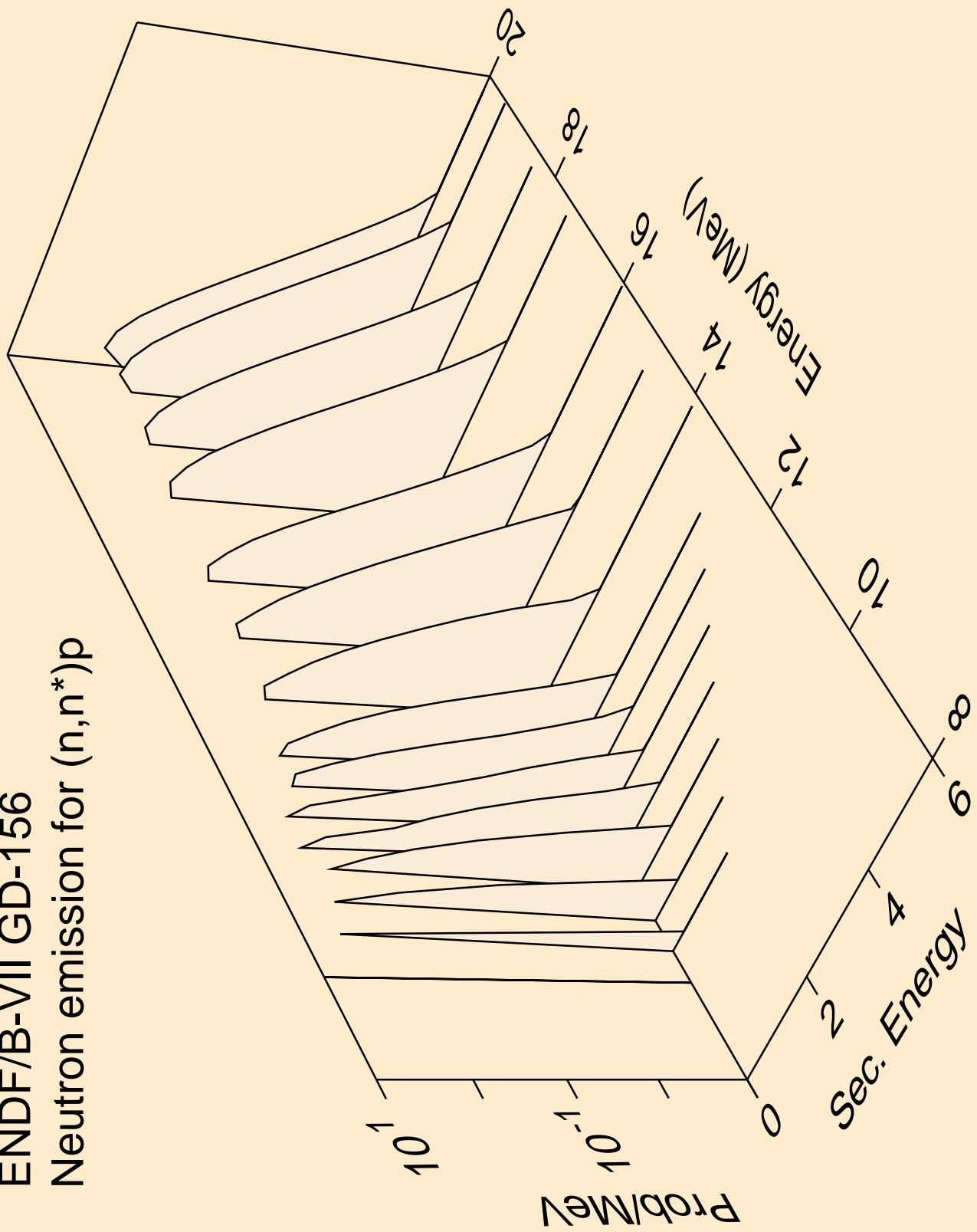
ENDF/B-VII GD-156

Neutron emission for $(n,2n)a$



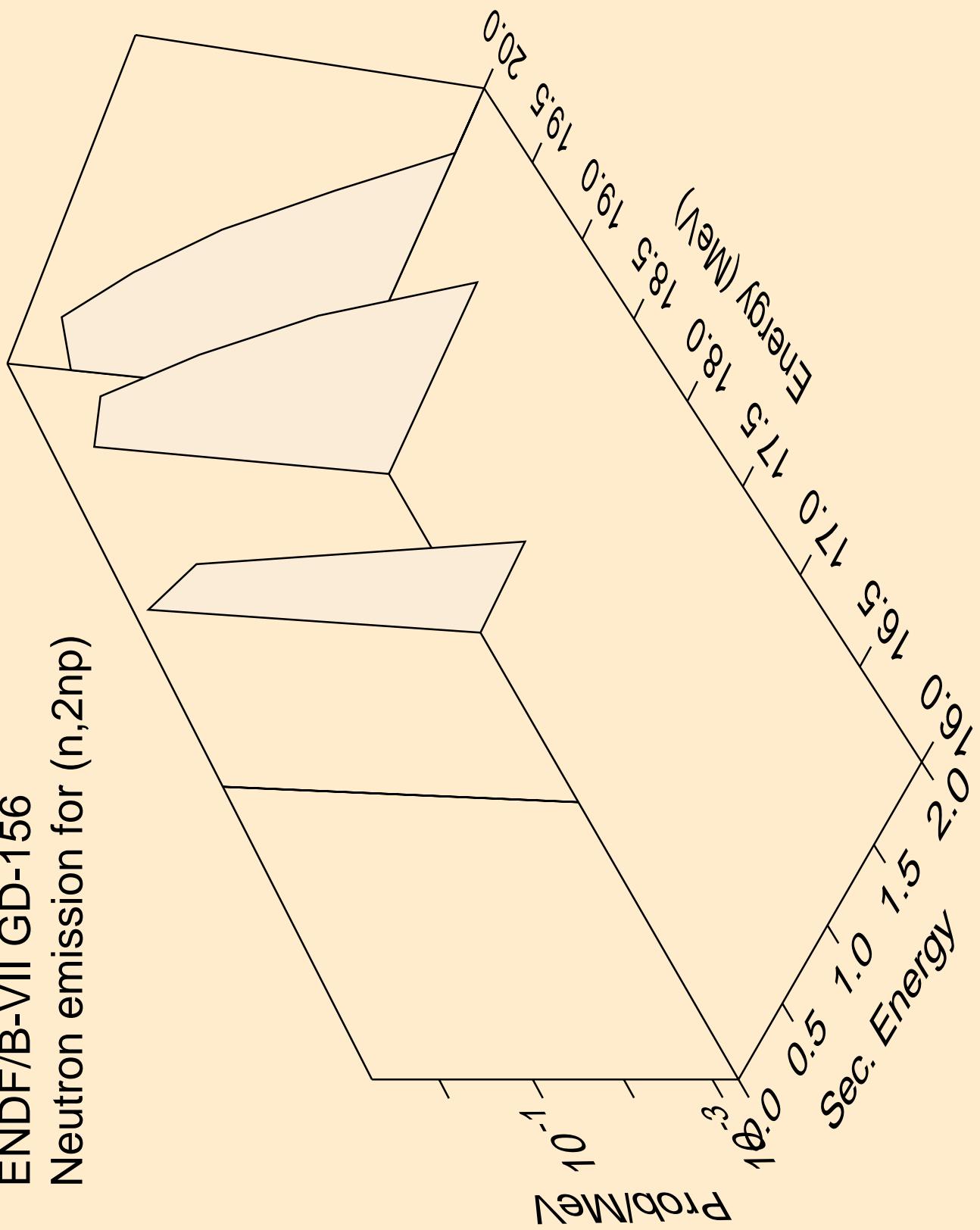
ENDF/B-VII GD-156

Neutron emission for $(n, n^*)p$



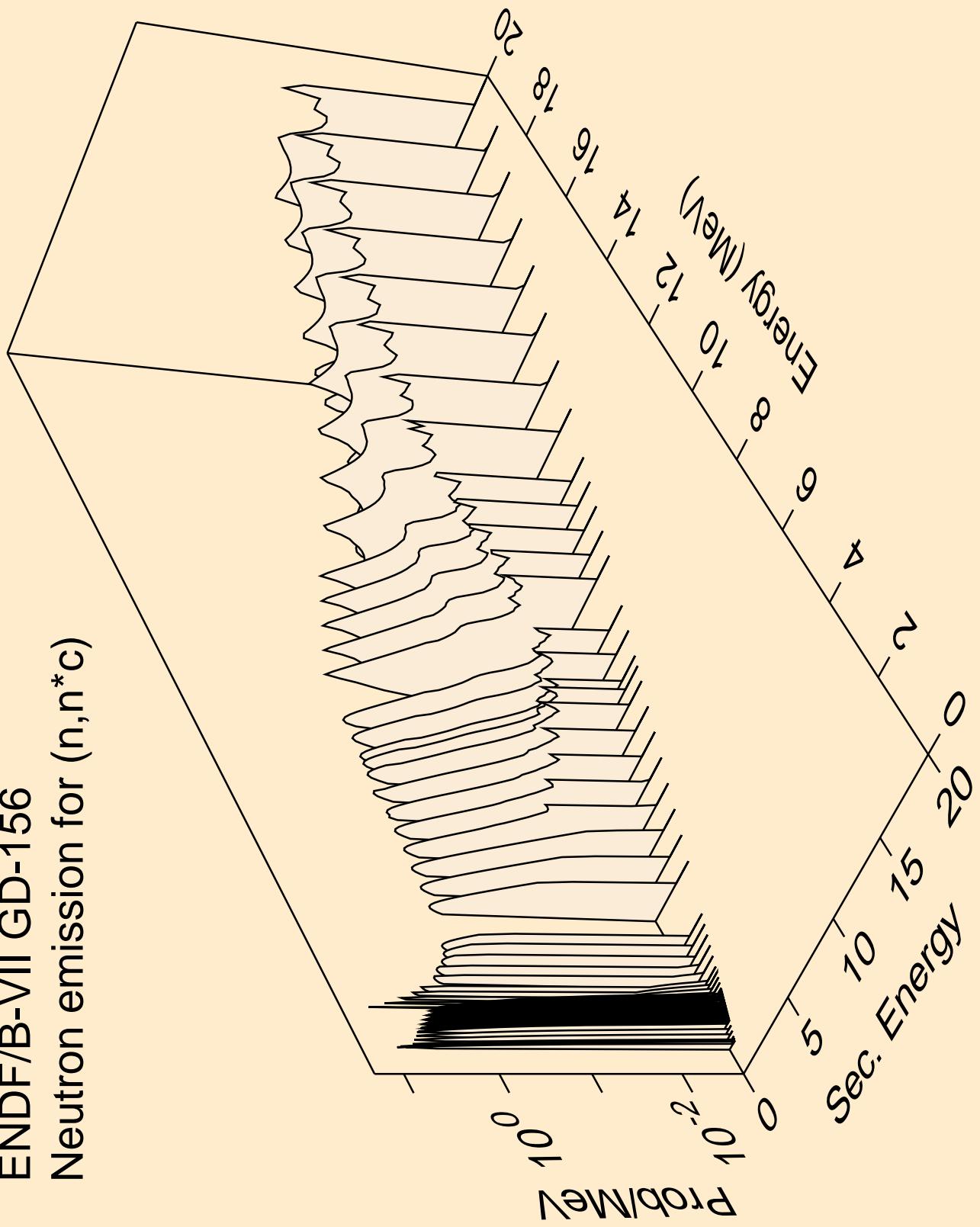
ENDF/B-VII GD-156

Neutron emission for $(n,2np)$

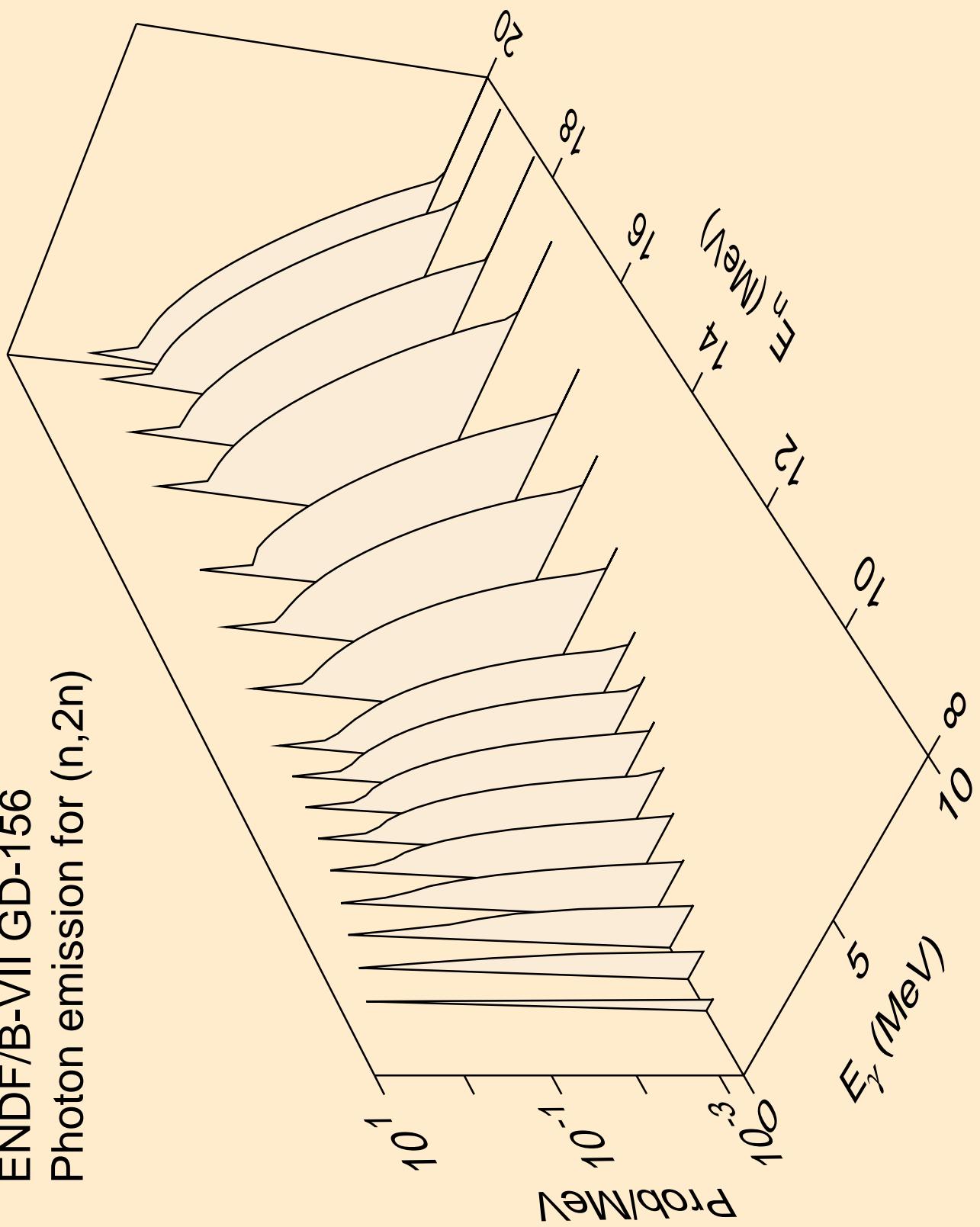


ENDF/B-VII GD-156

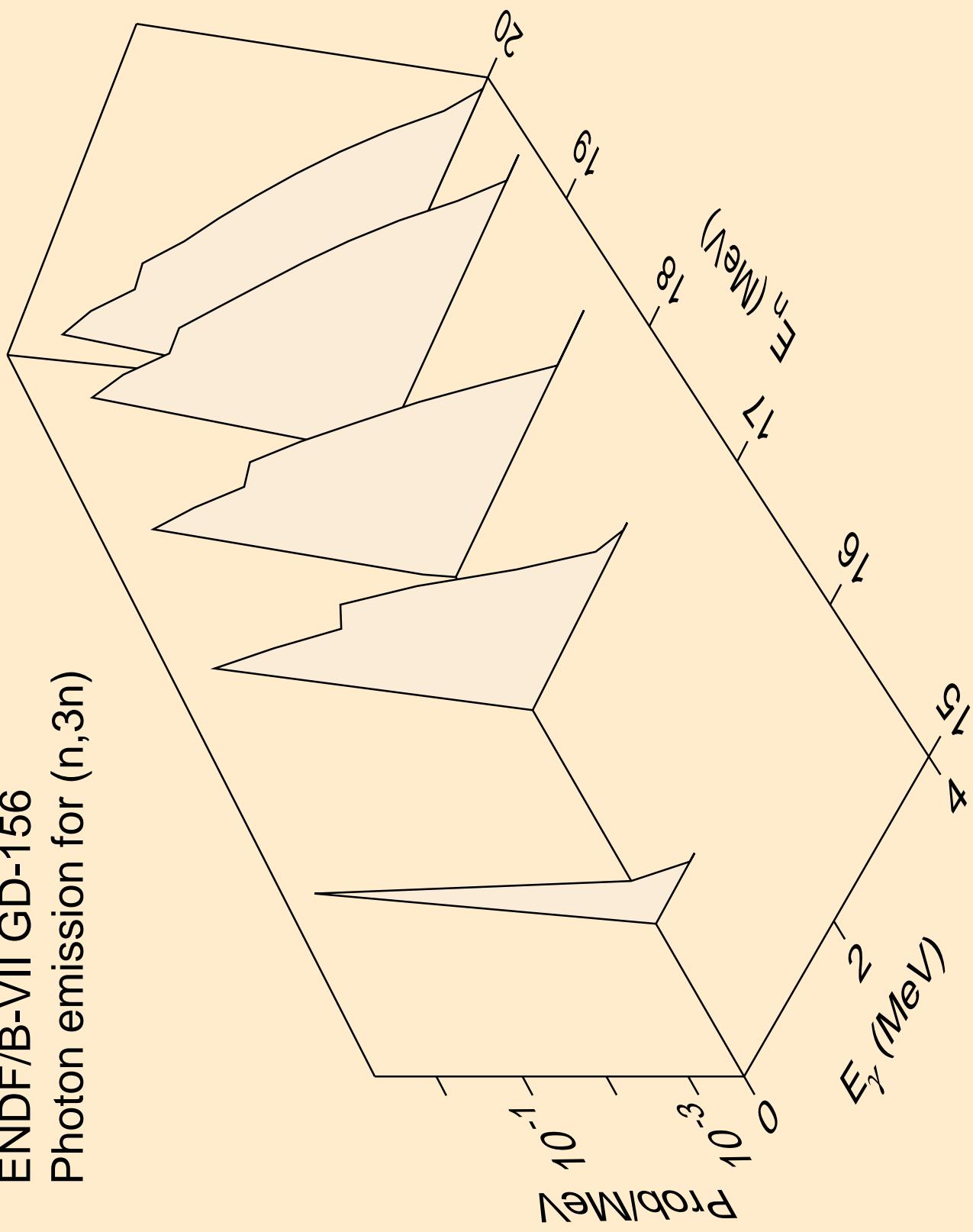
Neutron emission for $(n, n^* c)$



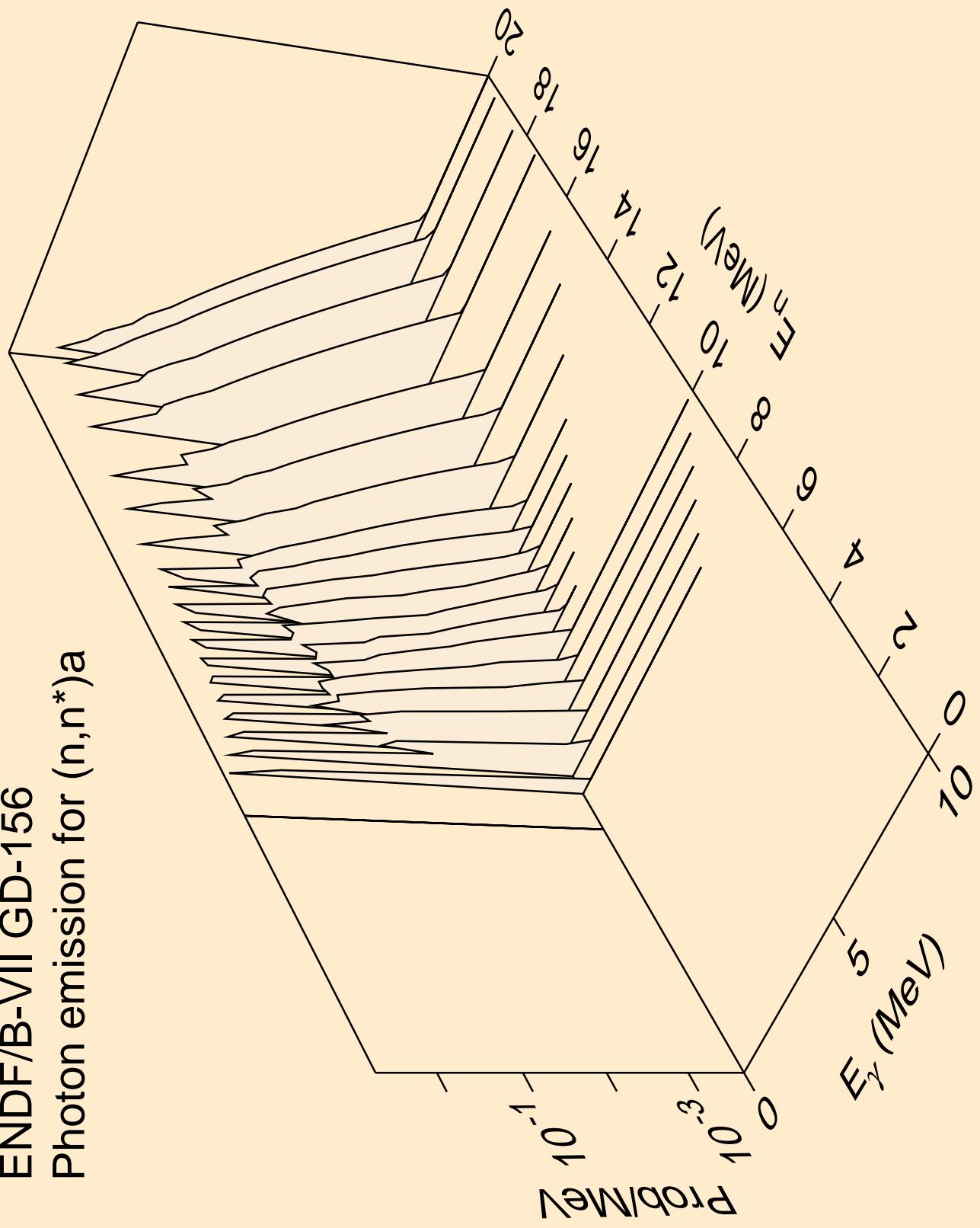
ENDF/B-VII GD-156
Photon emission for $(n,2n)$



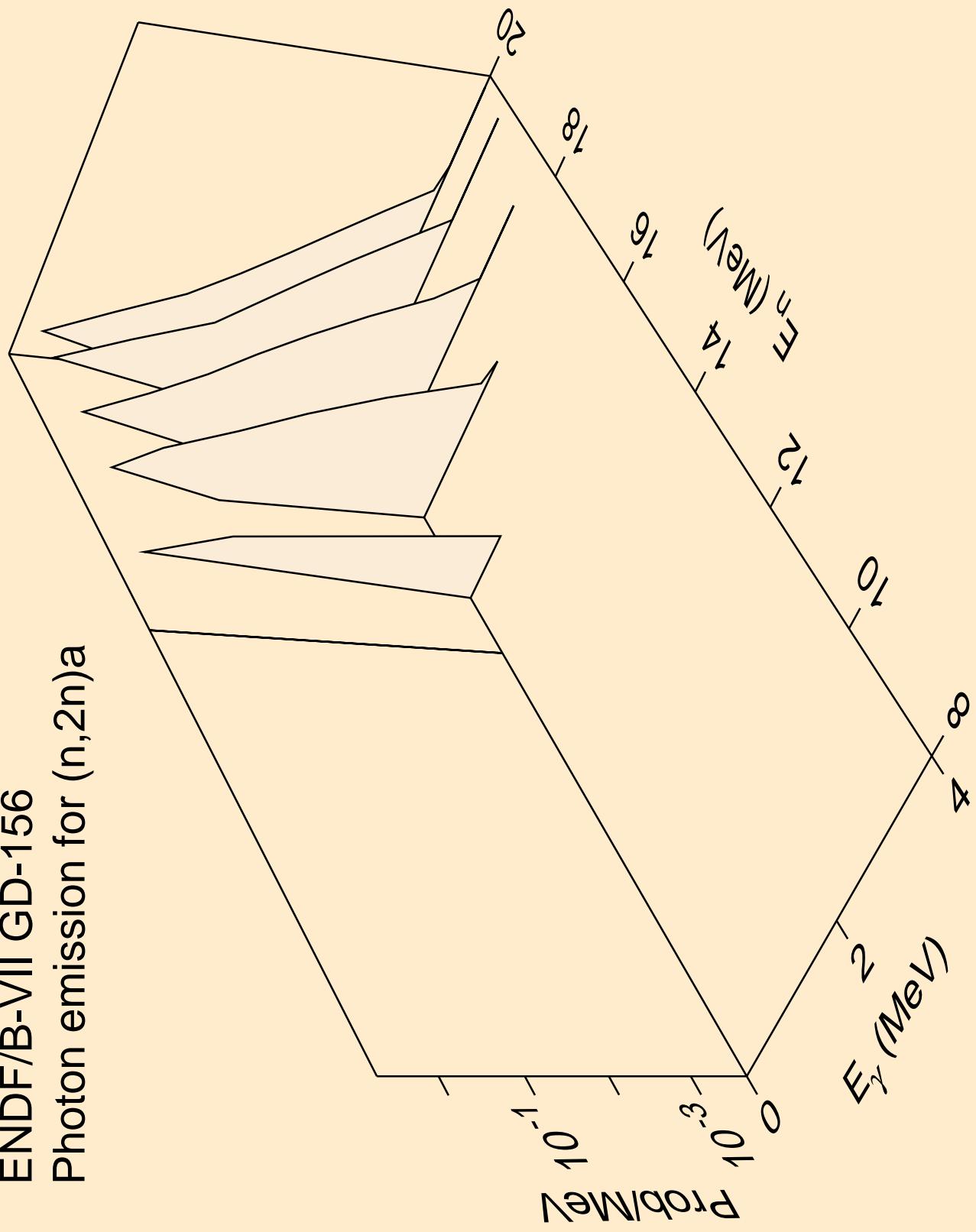
ENDF/B-VII GD-156
Photon emission for ($n,3n$)



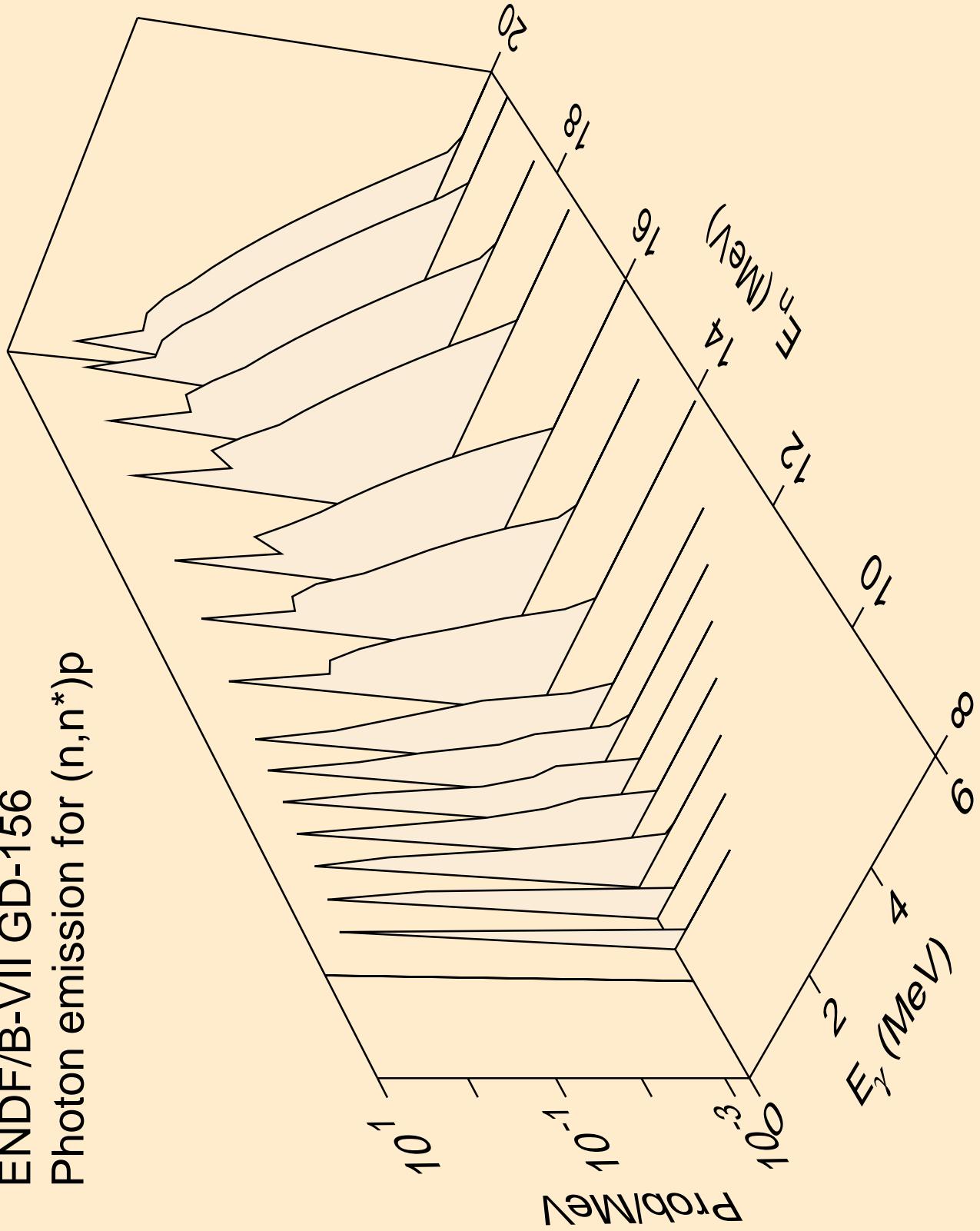
ENDF/B-VII GD-156
Photon emission for $(n, n^*)\alpha$



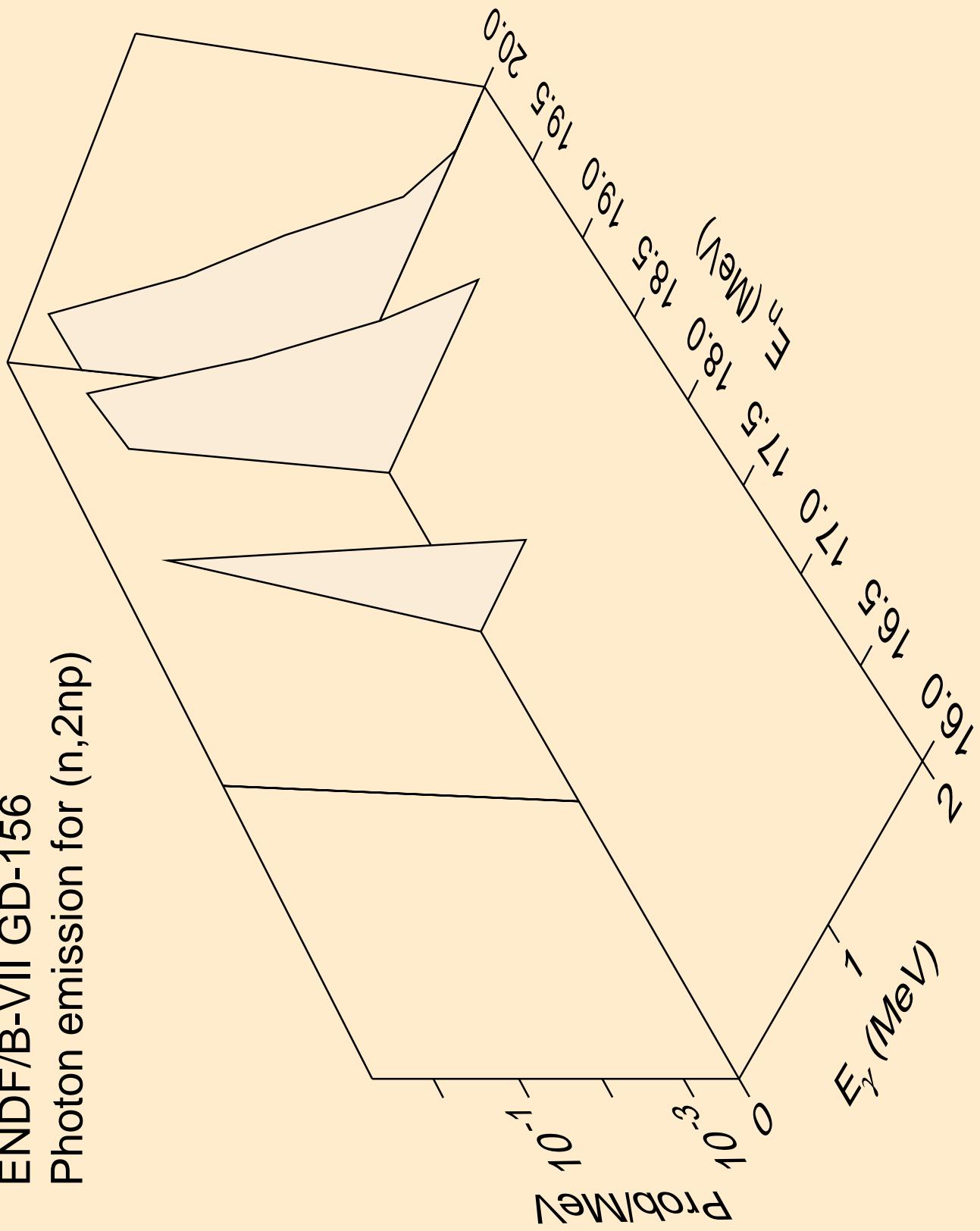
ENDF/B-VII GD-156
Photon emission for $(n,2n)a$



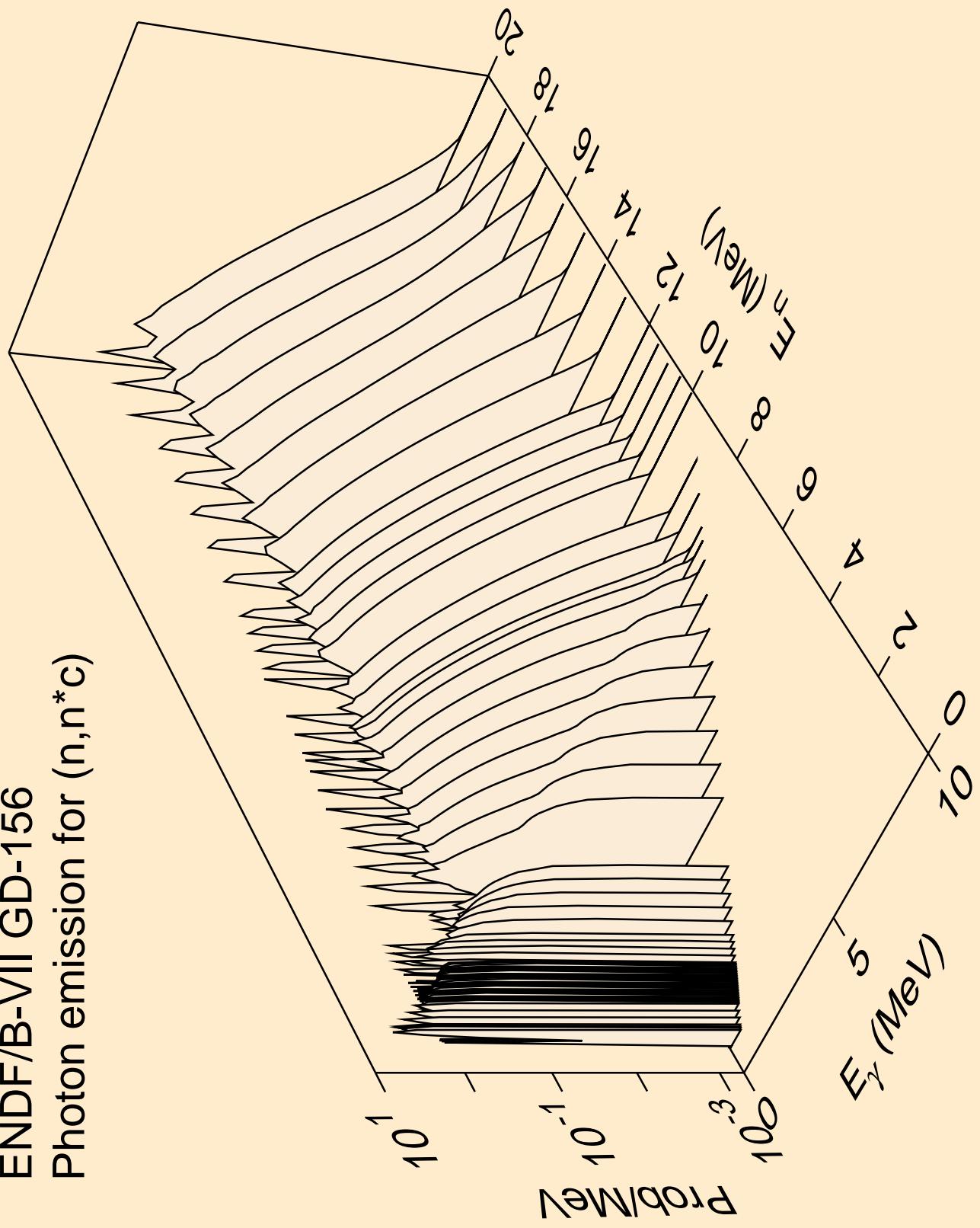
ENDF/B-VII GD-156
Photon emission for (n, n^*) p



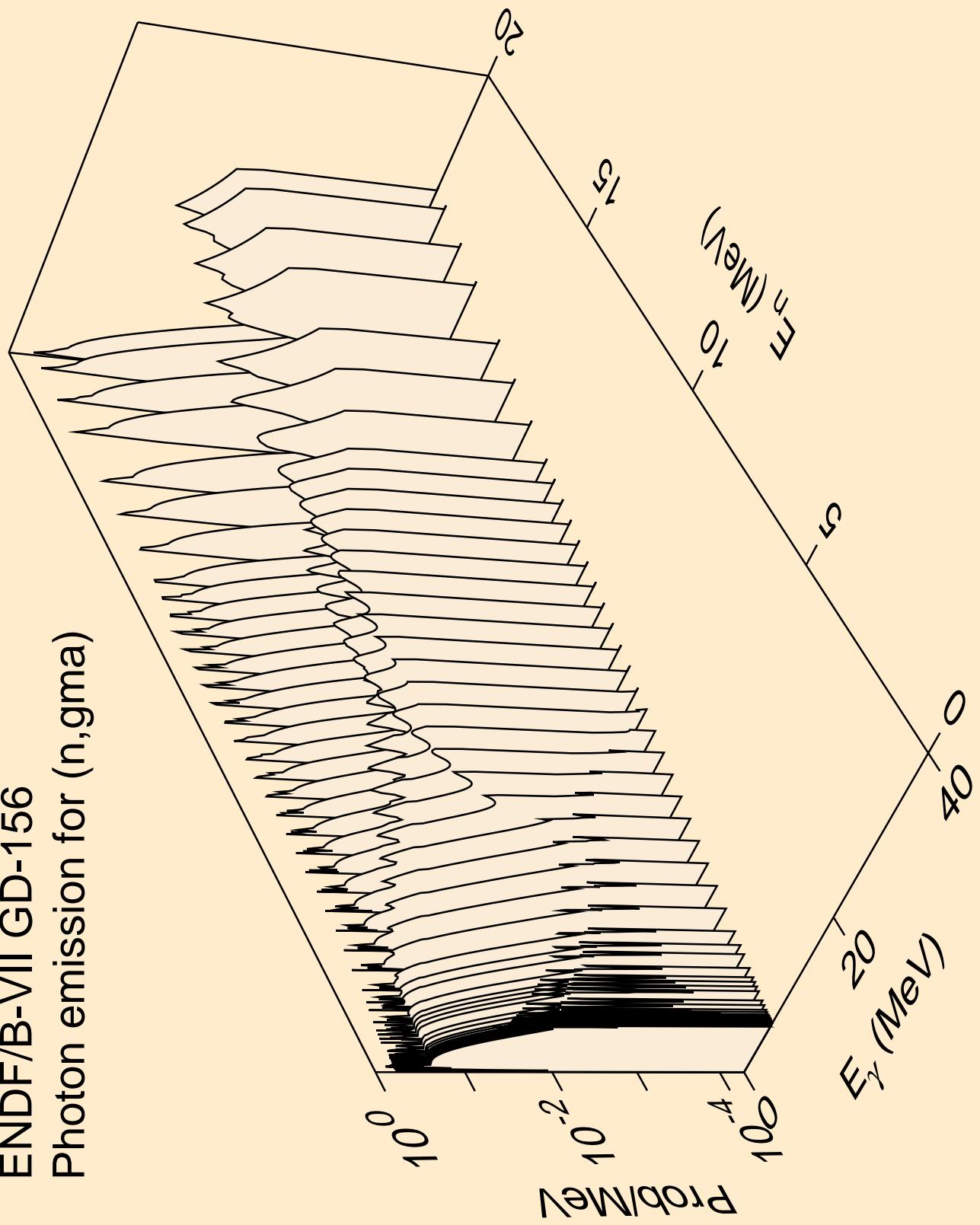
ENDF/B-VII GD-156
Photon emission for ($n, 2np$)



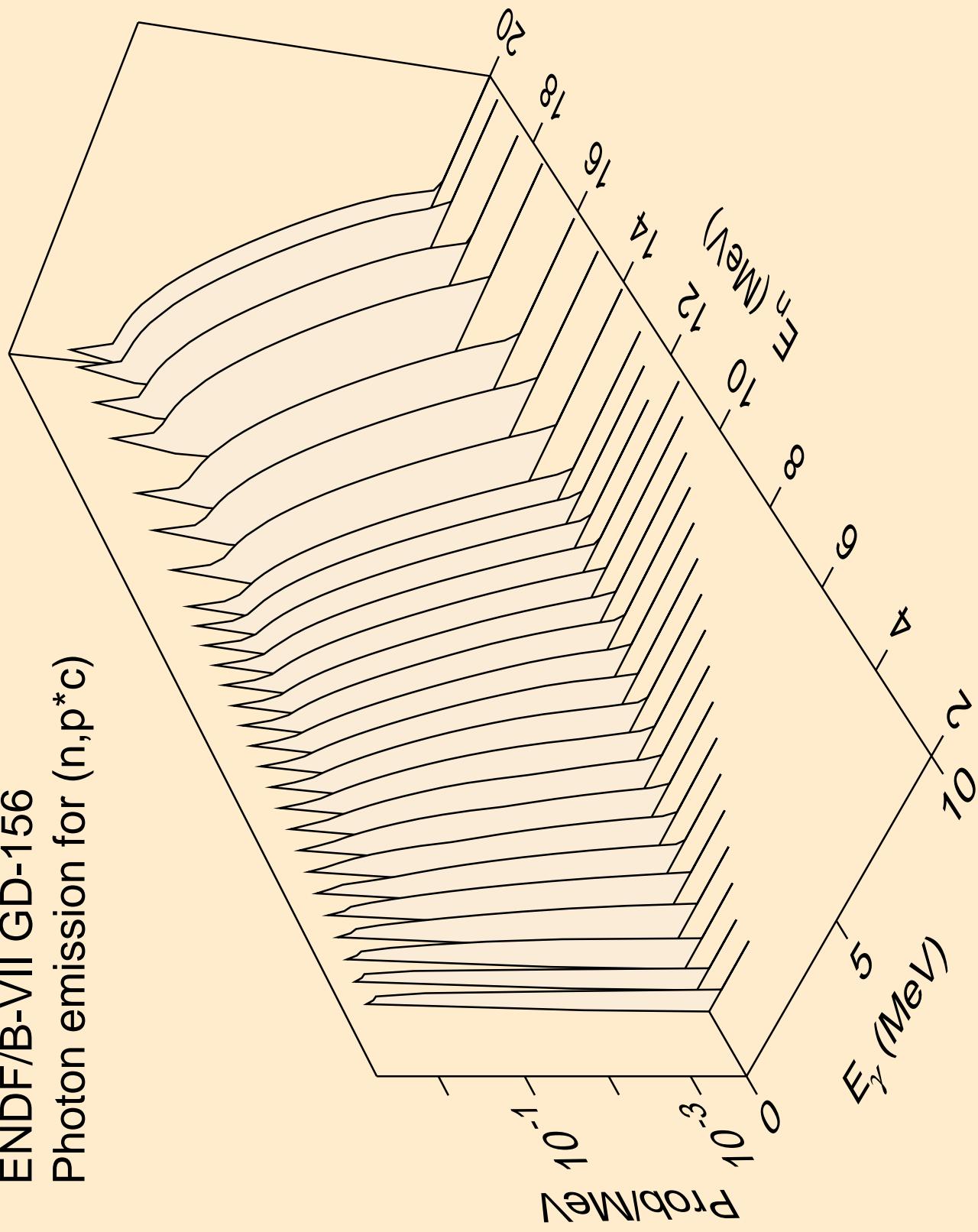
ENDF/B-VII GD-156
Photon emission for (n, n^*c)



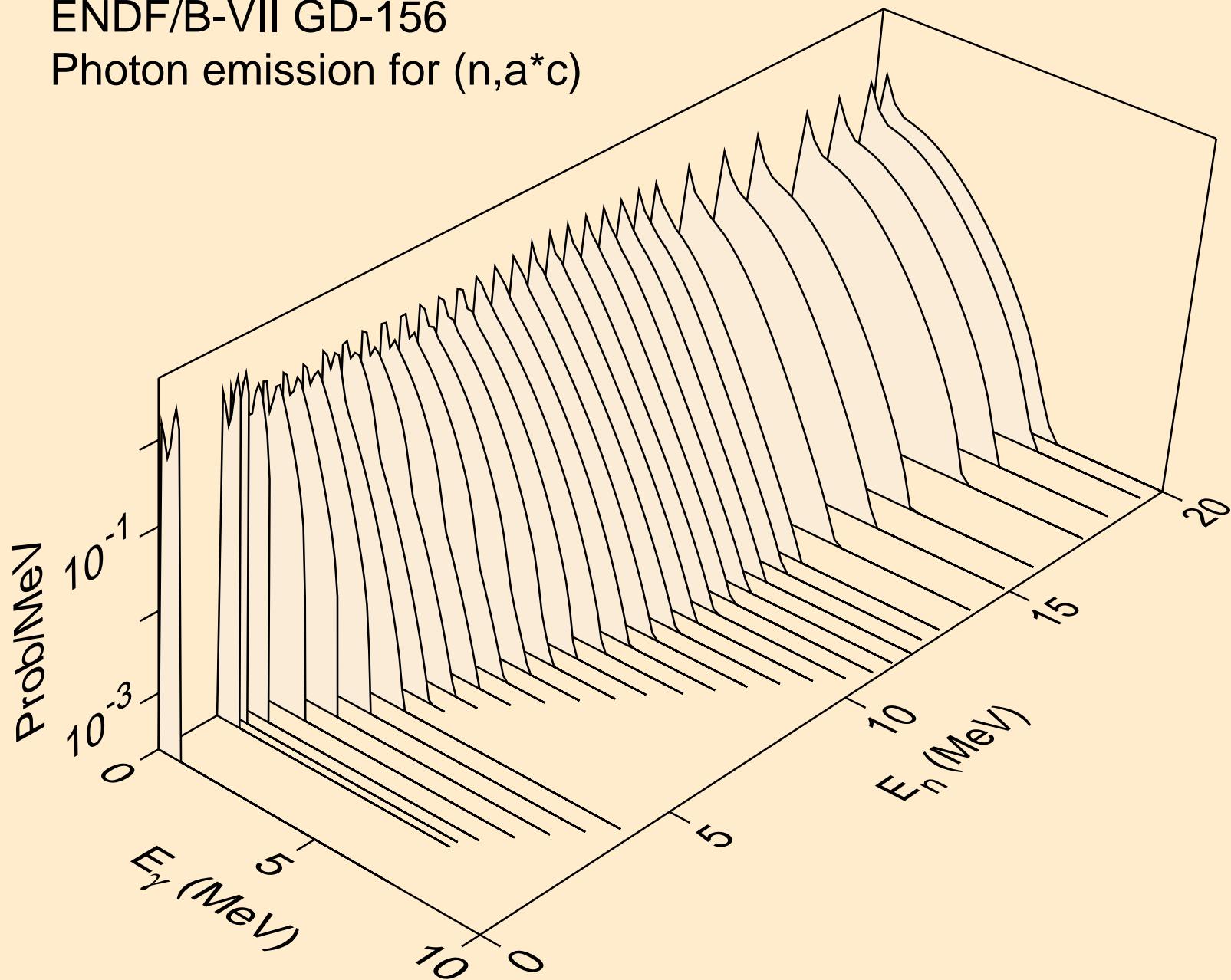
ENDF/B-VII GD-156
Photon emission for (n, γ)



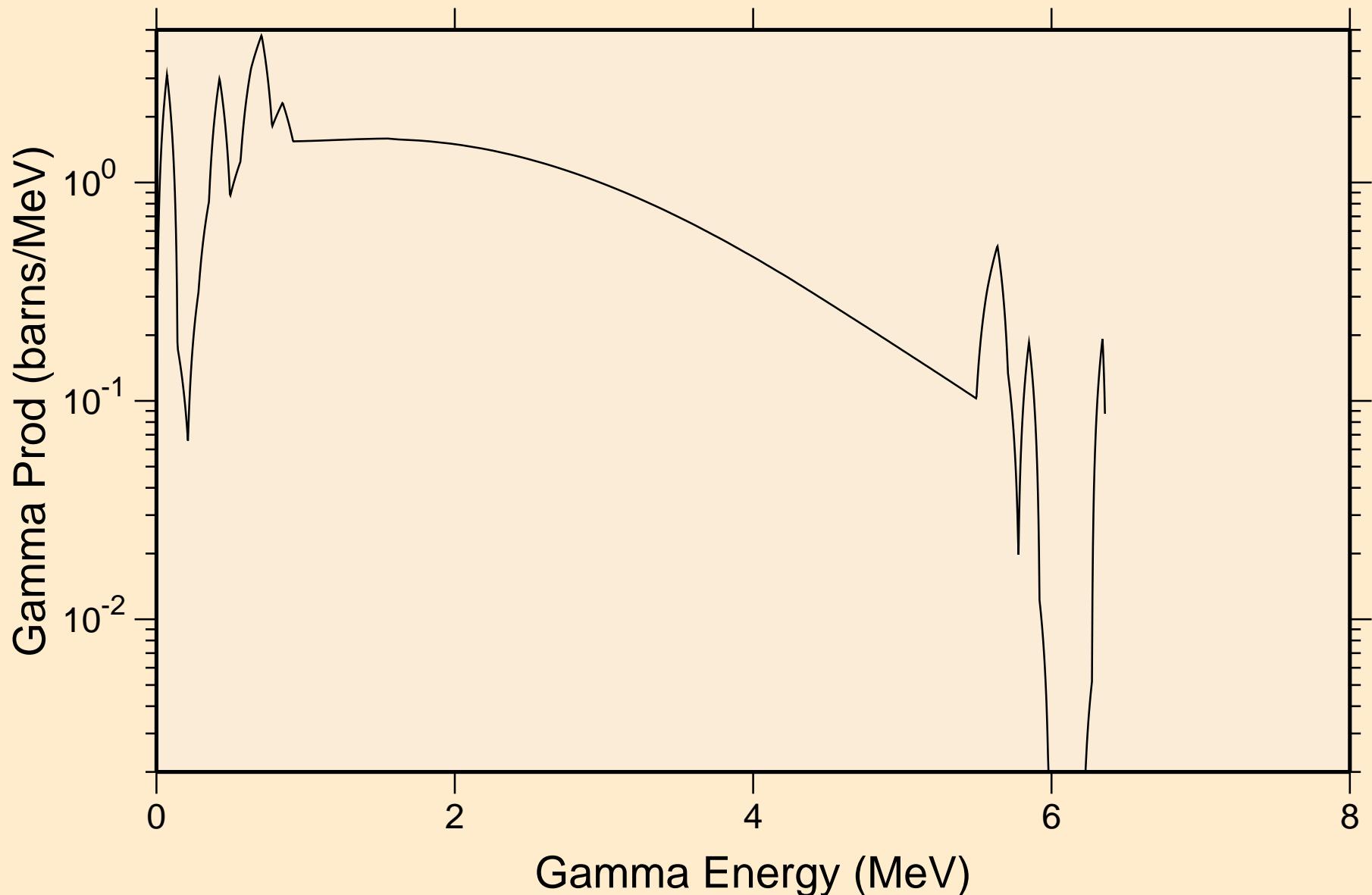
ENDF/B-VII GD-156
Photon emission for $(n, p^* c)$



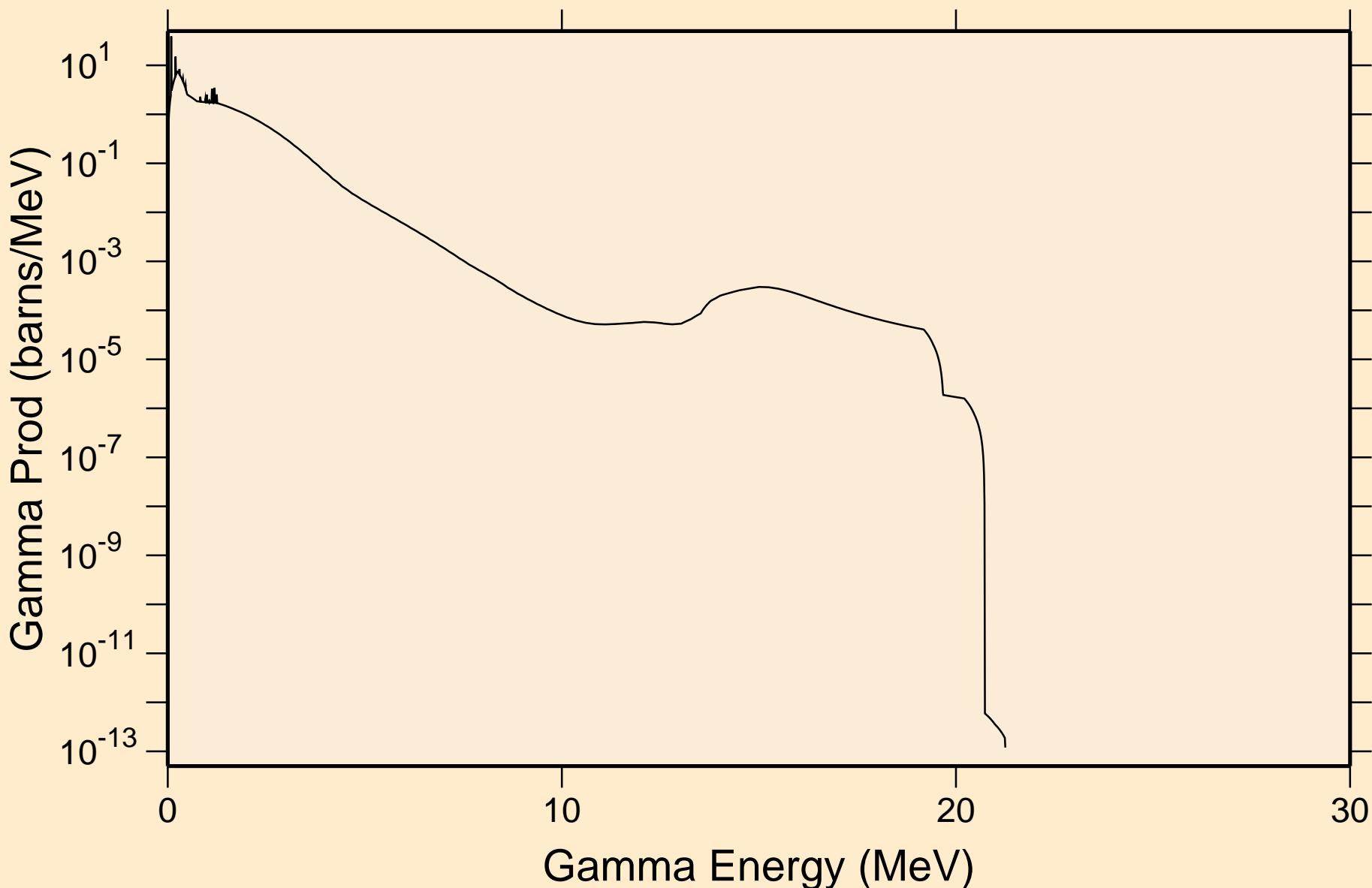
ENDF/B-VII GD-156
Photon emission for $(n, a^* c)$



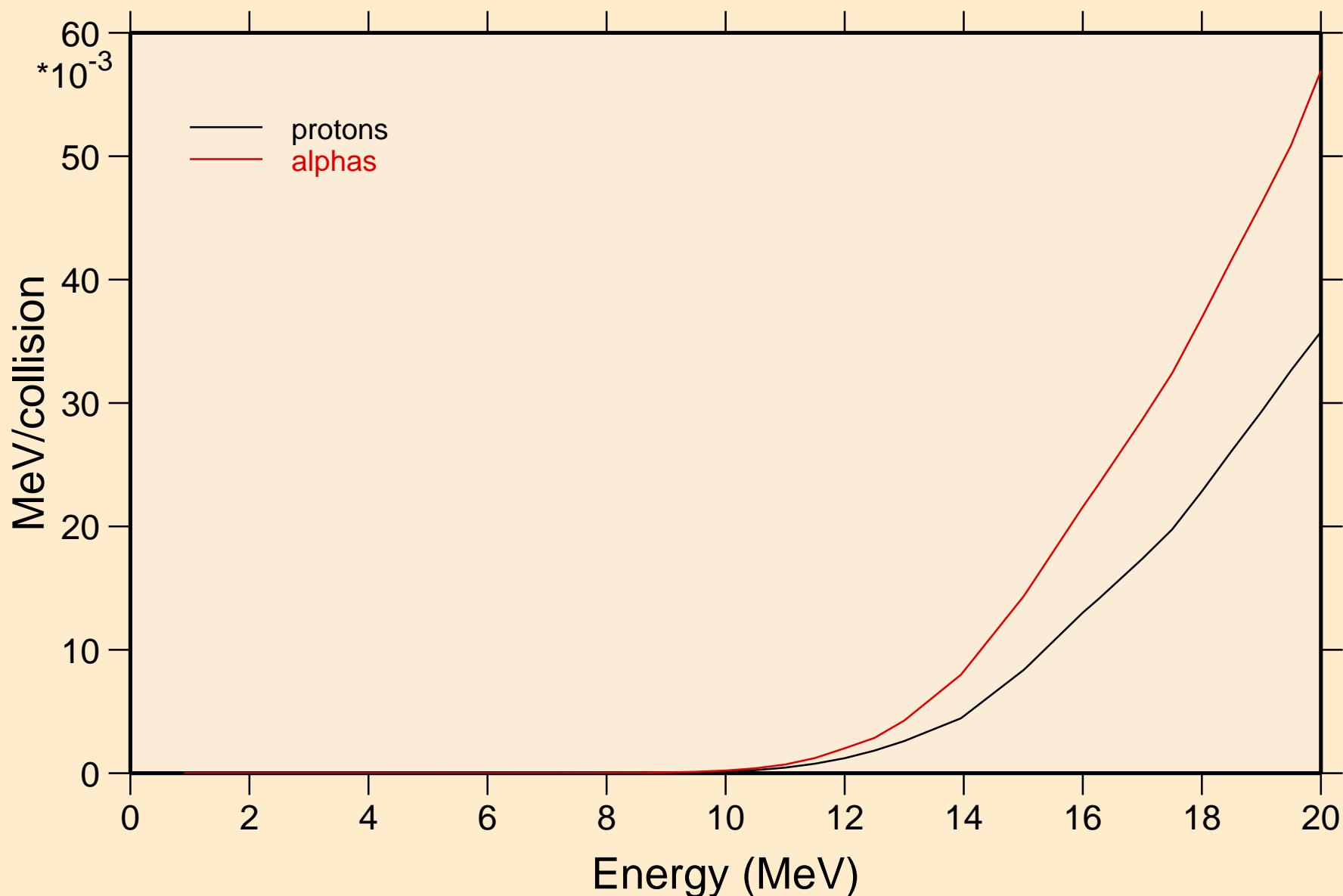
ENDF/B-VII GD-156
thermal capture photon spectrum



ENDF/B-VII GD-156
14 MeV photon spectrum

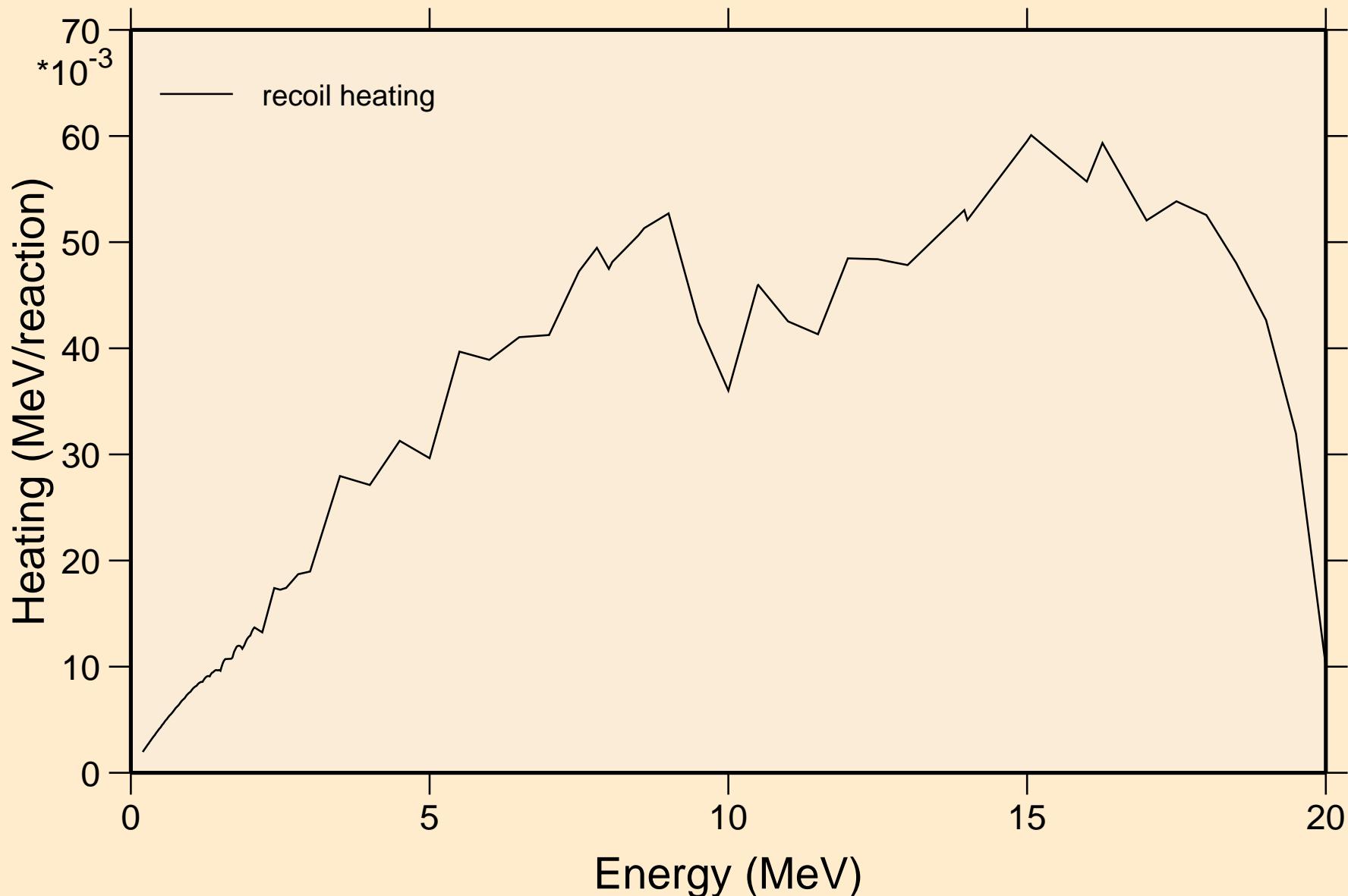


ENDF/B-VII GD-156
Particle heating contributions

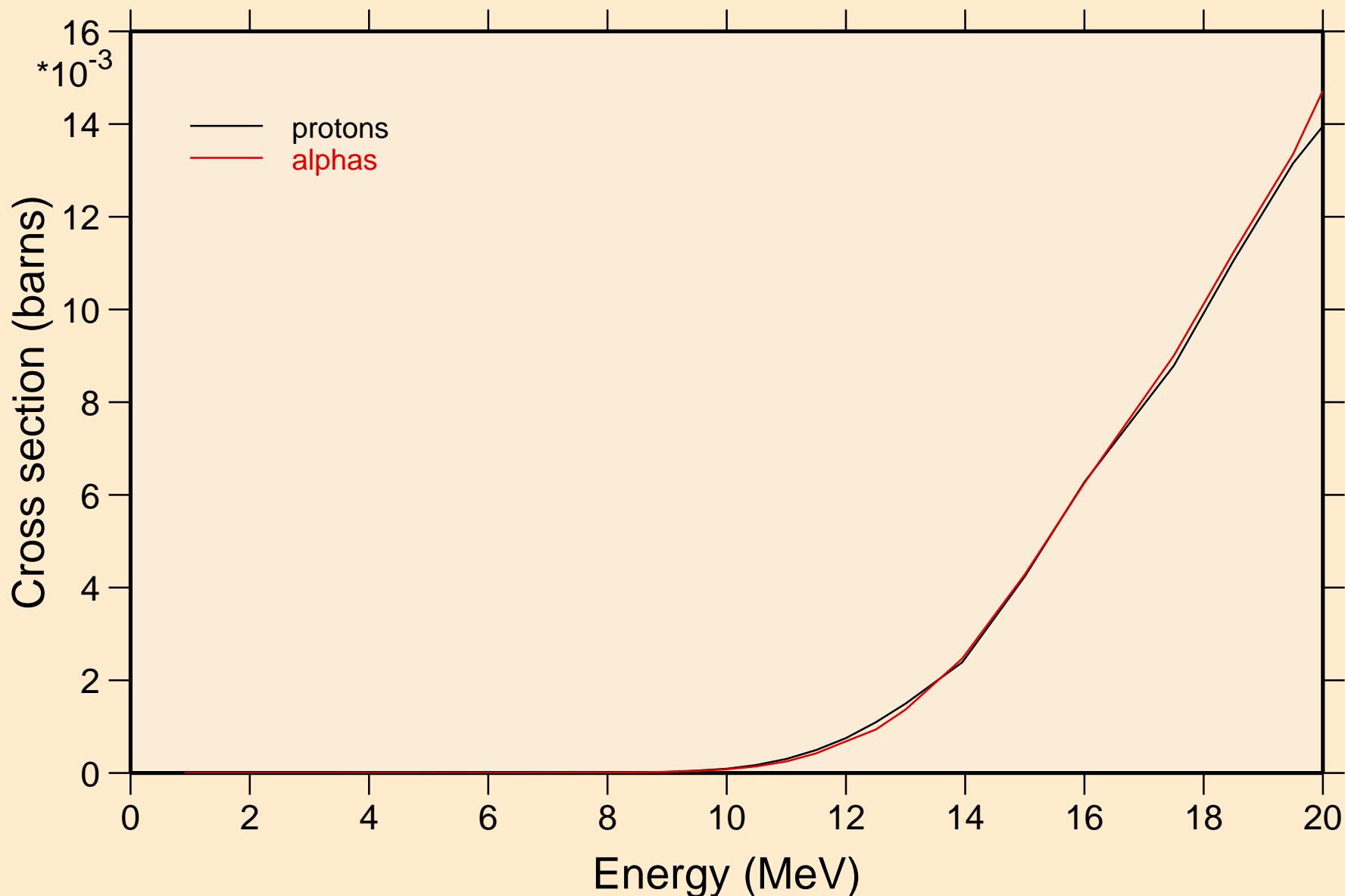


ENDF/B-VII GD-156

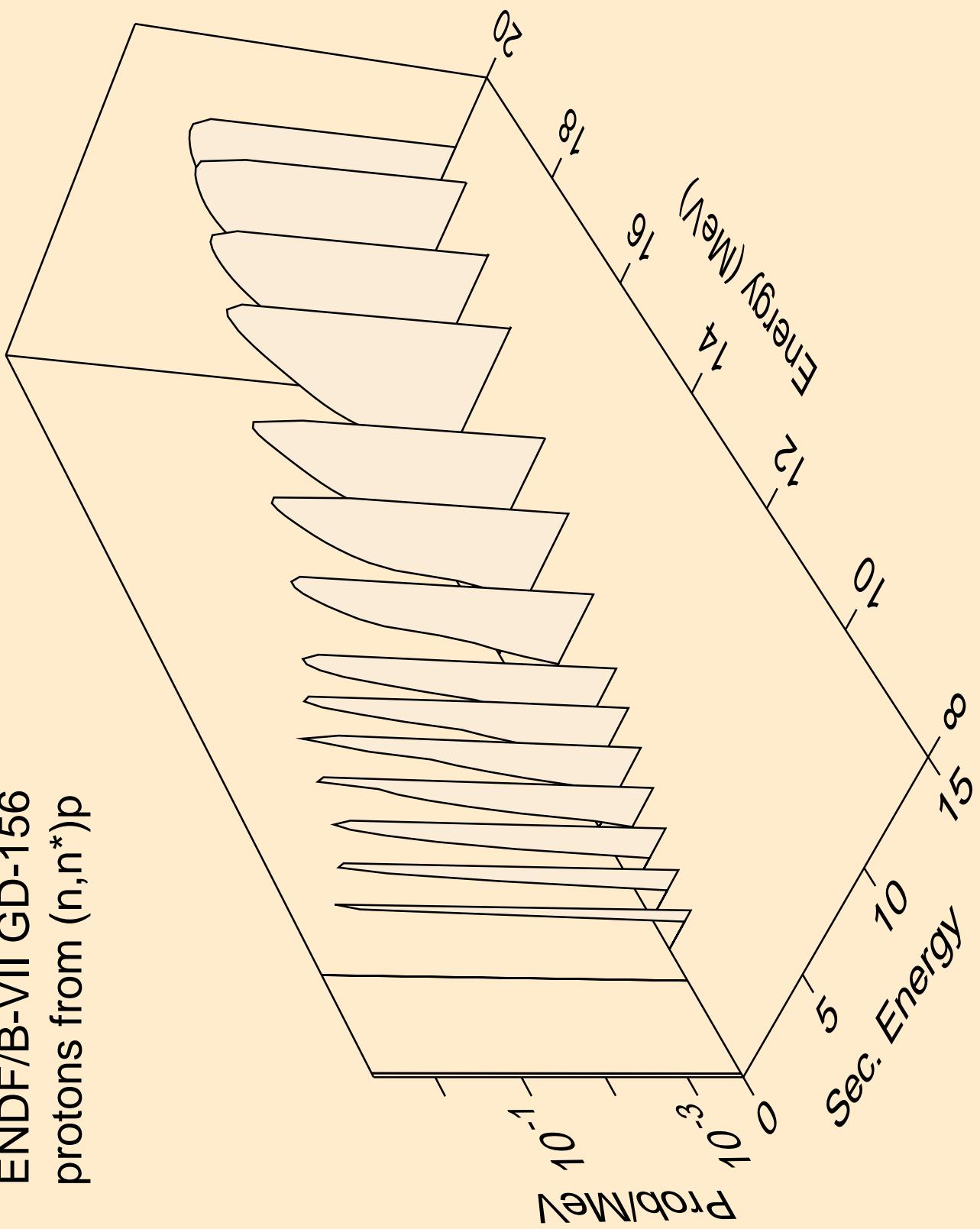
Recoil Heating



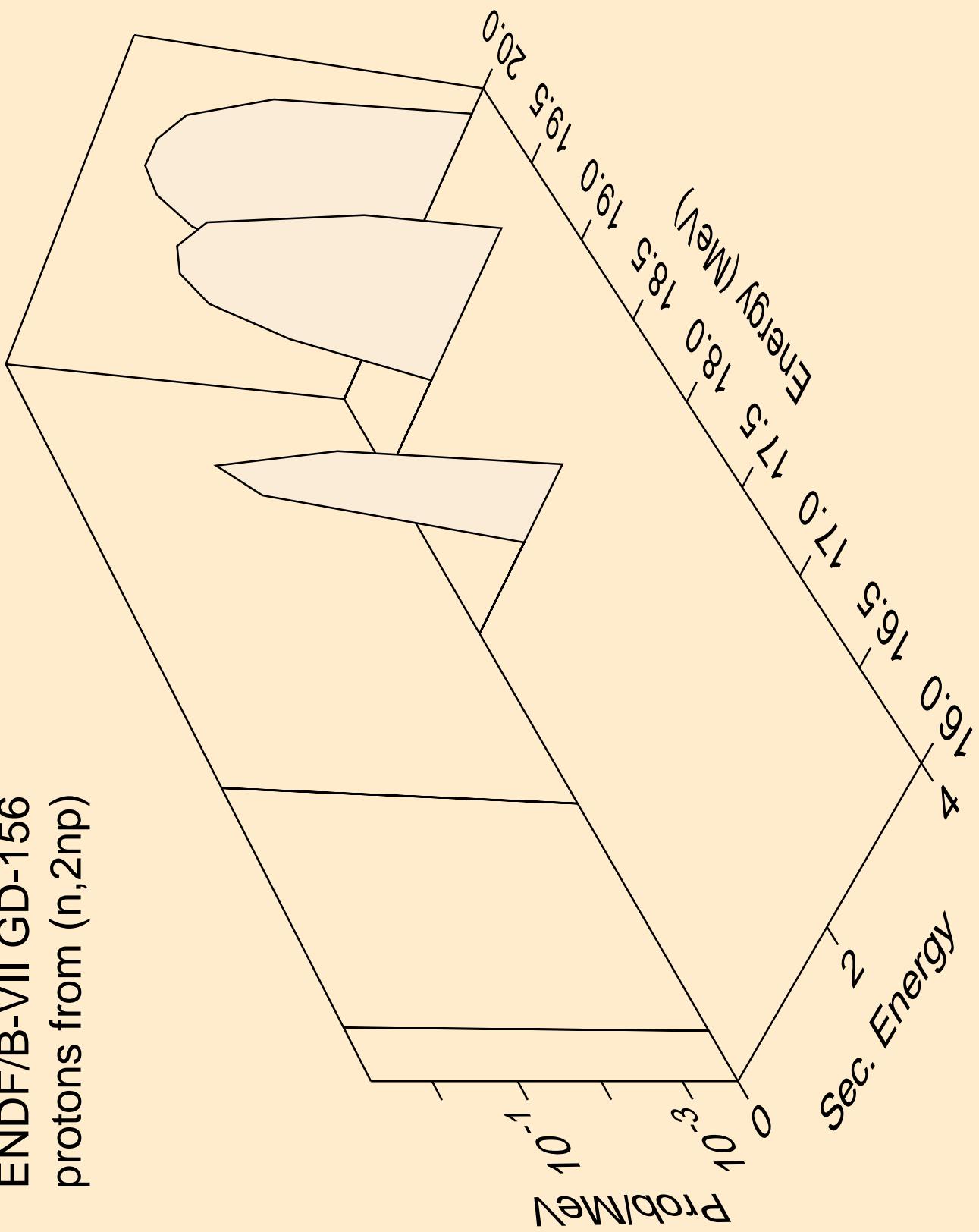
ENDF/B-VII GD-156
Particle production cross sections



ENDF/B-VII GD-156
protons from $(n, n^*)p$

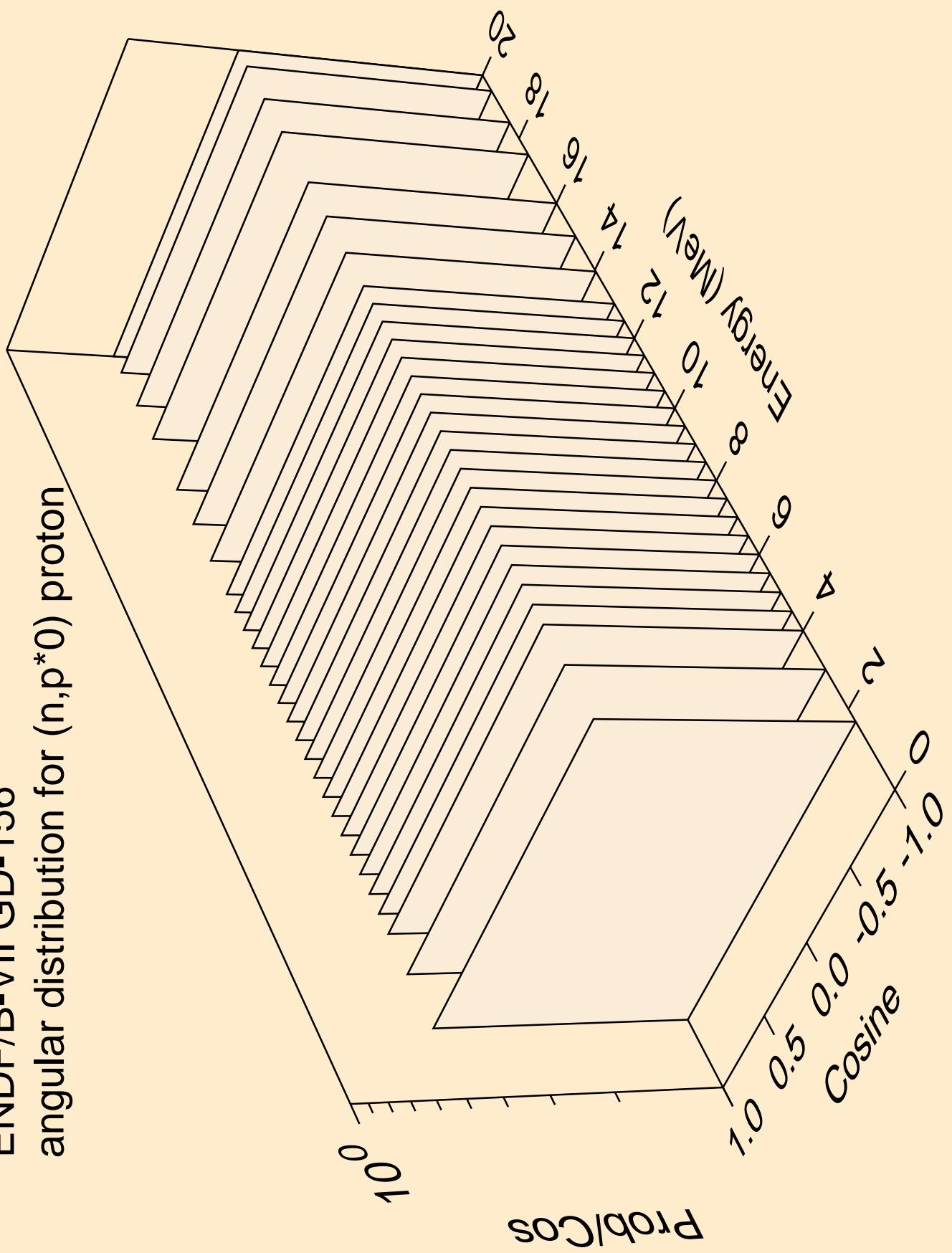


ENDF/B-VII GD-156
protons from ($n,2np$)



ENDF/B-VII GD-156

angular distribution for (n,p^*0) proton



ENDF/B-VII GD-156

angular distribution for (n,p*1) proton

10^0

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0
Cosine

Energ (MeV)

20
18
16
14
12
10
8
6
4
2
0

θ

ENDF/B-VII GD-156

angular distribution for (n,p^*2) proton

10^0

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0
Cosine

Energ₂(MeV)

20
18
16
14
12
10
8
6
4
2
0

θ_2

θ_1

θ_0

ENDF/B-VII GD-156

angular distribution for (n,p^*3) proton

10^0

Prob/Cos

1.0

0.5

0.0

-0.5

-1.0

Cosine

0

2

4

6

8

10

12

14

16

18

20

Energy (MeV)

ENDF/B-VII GD-156

angular distribution for (n,p^*4) proton

10^0

Prob/Cos

1.0

0.5

0.0

-0.5

-1.0

Cosine

0

2

4

6

8

10

Energy (MeV)

20

18

16

14

12

10

8

6

4

2

0

ENDF/B-VII GD-156

angular distribution for (n,p*5) proton

10^0

Prob/Cos

1.0

0.5

0.0

-0.5

-1.0

Cosine

Energies (MeV)

20

18

16

14

12

10

8

6

4

2

0

ENDF/B-VII GD-156

angular distribution for (n,p*6) proton

10^0

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0
Cosine

Energ γ (MeV)

20
18
16
14
12
10
8
6
4
2
0

ENDF/B-VII GD-156

angular distribution for (n,p^*7) proton

10^0

Prob/Cos

1.0

0.5

0.0

-0.5

-1.0

Cosine

0

2

4

6

8

10

12

14

16

20

Energia (MeV)

ENDF/B-VII GD-156

angular distribution for (n,p^*8) proton

10^0

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0
Cosine

Energ γ (MeV)

20
18
16
14
12
10
8
6
4
2
0

ENDF/B-VII GD-156

angular distribution for (n,p^*9) proton

10^0

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0
Cosine

Energ γ (MeV)

20
18
16
14
12
10
8
6
4
2
0

ENDF/B-VII GD-156

angular distribution for (n,p^*10) proton

10^0

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0
Cosine

Energ (MeV)

20
18
16
14
12
10
8
6
4
2

ENDF/B-VII GD-156

angular distribution for (n,p^*11) proton

10^0

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0
Cosine

Energ (MeV)

20
18
16
14
12
10
8
6
4
2
0

ENDF/B-VII GD-156

angular distribution for (n,p^*12) proton

10^0

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0
Cosine

Energ (MeV)

20
18
16
14
12
10
8
6
4
2

ENDF/B-VII GD-156

angular distribution for (n,p^*13) proton

10^0

Prob/Cos

1.0

0.5

0.0

-0.5

-1.0

Cosine

$E_{\text{Energy}} (\text{MeV})$

θ

θ

θ

θ

θ

θ

θ

θ

ENDF/B-VII GD-156

angular distribution for (n,p^*14) proton

10^0

Prob/Cos

1.0

0.5

0.0

-0.5

-1.0

Cosine

Energy (MeV)

20
18
16
14
12
10
8
6
4
2
0

ENDF/B-VII GD-156

angular distribution for (n,p^*15) proton

10^0

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0
Cosine

Energ (MeV)

20
18
16
14
12
10
8
6
4
2

ENDF/B-VII GD-156

angular distribution for (n,p^*16) proton

10^0

Prob/Cos

1.0

0.5

0.0

-0.5

-1.0

Cosine

Δ

σ

τ

$E_{\text{Energy}}(\text{MeV})$

θ

ϕ

ψ

χ

ζ

η

ν

ρ

σ

τ

ω

φ

χ

ψ

ζ

η

ENDF/B-VII GD-156

angular distribution for (n,p^*17) proton

10^0

Prob/Cos

1.0

0.5

0.0

-0.5

-1.0

Cosine

0

2

4

6

8

10

12

14

16

18

20

Energ γ (MeV)

ENDF/B-VII GD-156

angular distribution for (n,p^*18) proton

10^0

Prob/Cos

1.0

0.5

0.0

-0.5

-1.0

Cosine

0

2

4

6

8

10

12

14

16

18

20

Energ γ (MeV)

ENDF/B-VII GD-156

angular distribution for (n,p^*19) proton

10^0

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0
Cosine

Energ (MeV)

20
18
16
14
12
10
8
6
4
2
0

ENDF/B-VII GD-156

angular distribution for (n,p^*20) proton

10^0

Prob/Cos

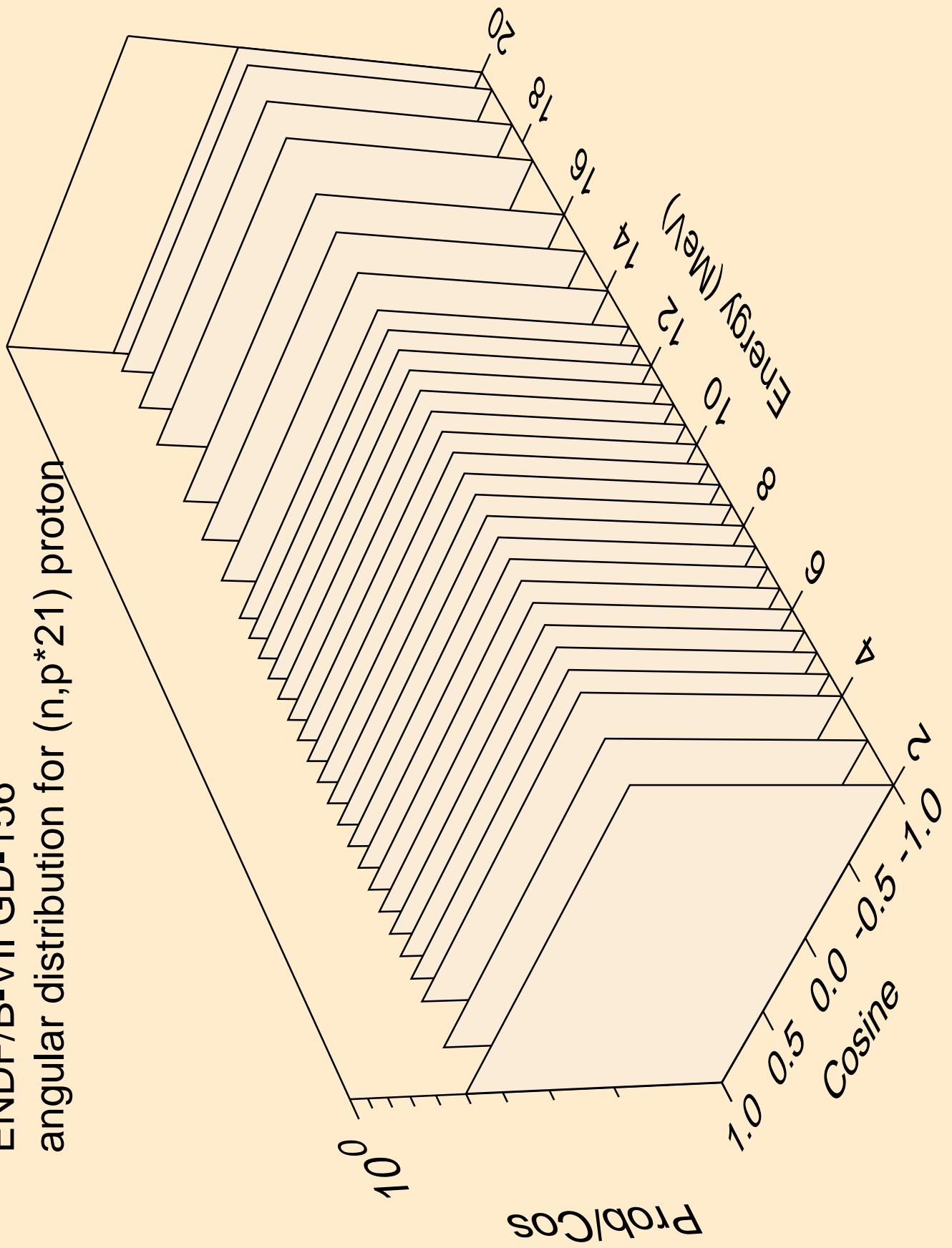
1.0 0.5 0.0 -0.5 -1.0
Cosine

Energ (MeV)

20
18
16
14
12
10
8
6
4
2
0

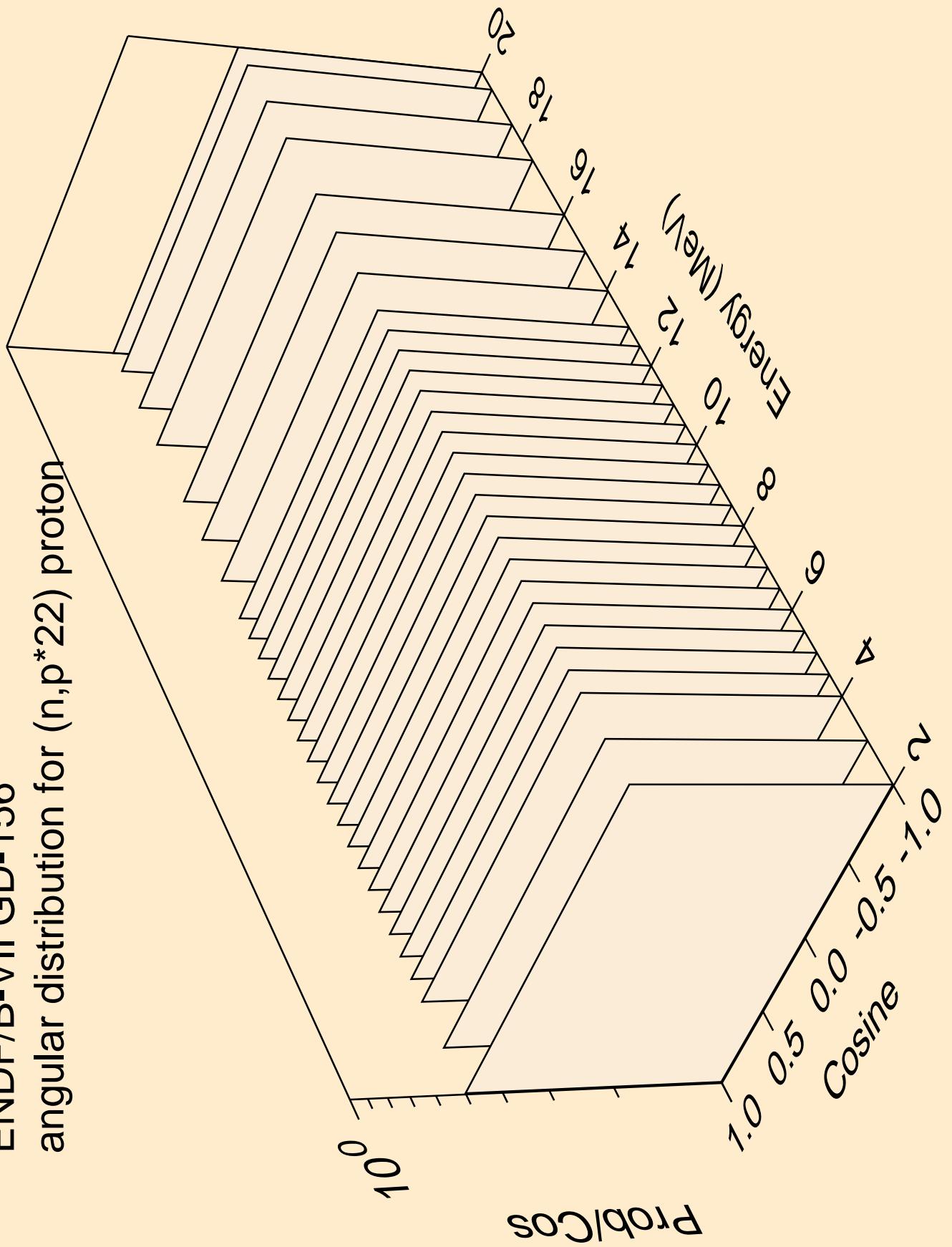
ENDF/B-VII GD-156

angular distribution for (n,p^*21) proton



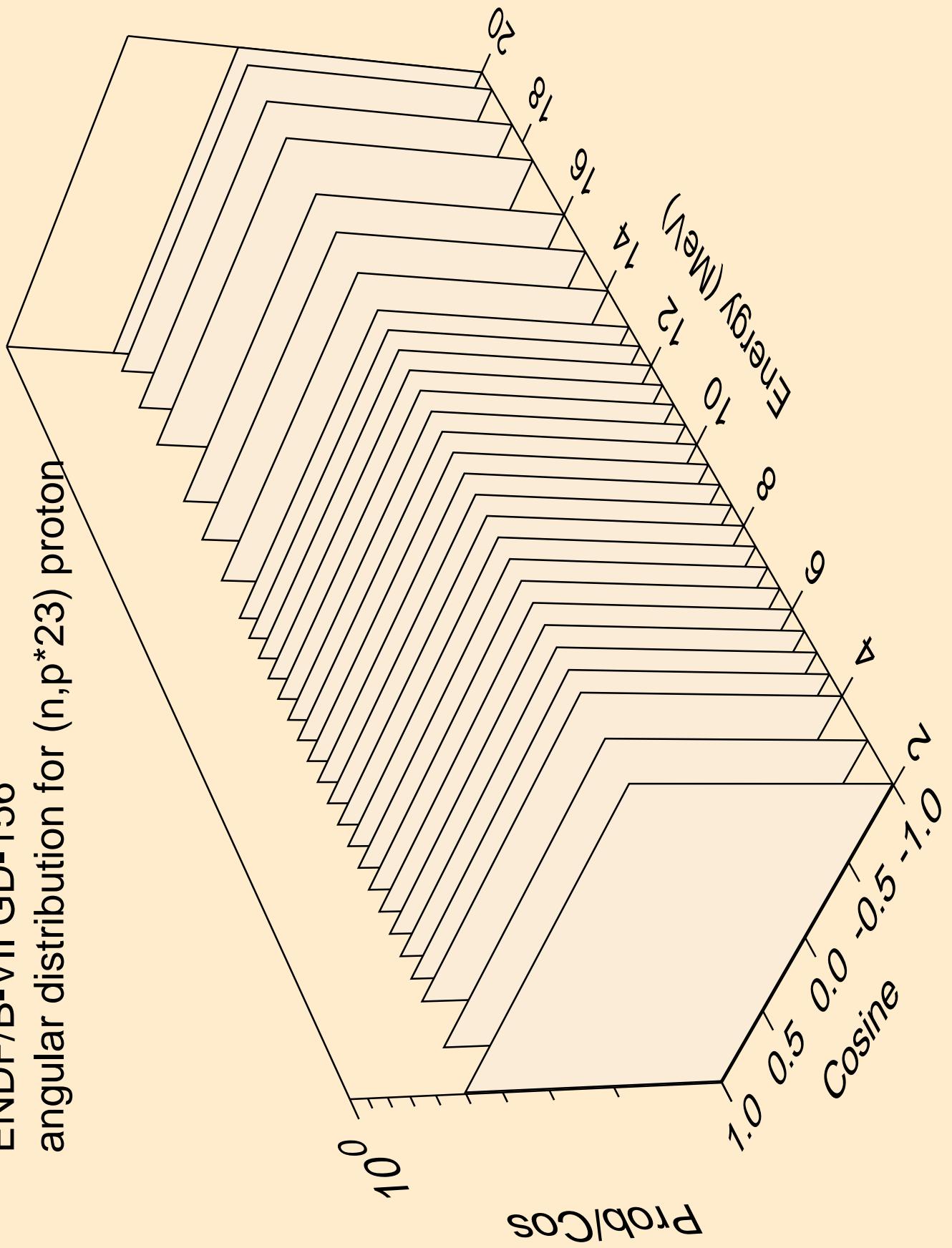
ENDF/B-VII GD-156

angular distribution for (n,p^*22) proton



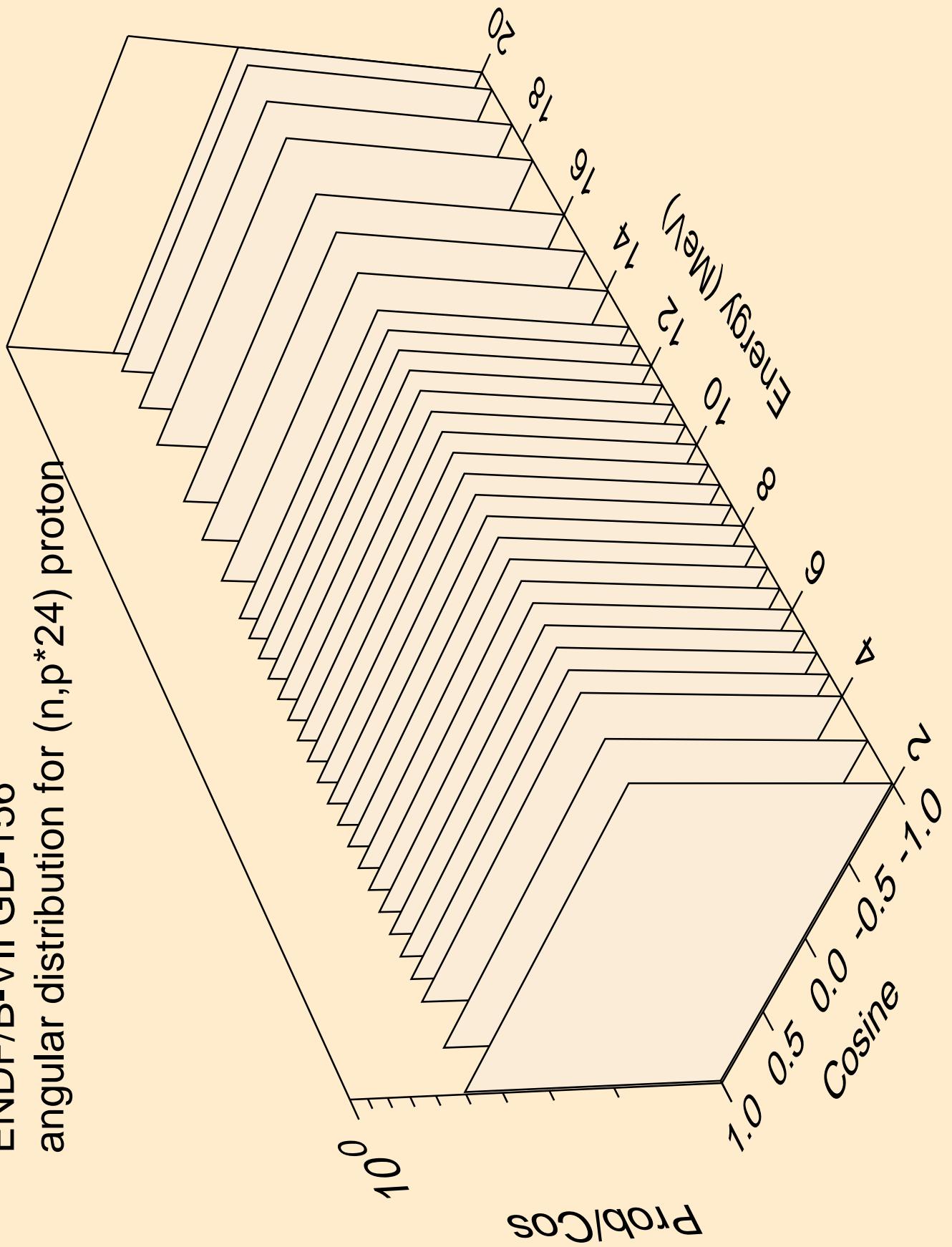
ENDF/B-VII GD-156

angular distribution for (n,p^*23) proton



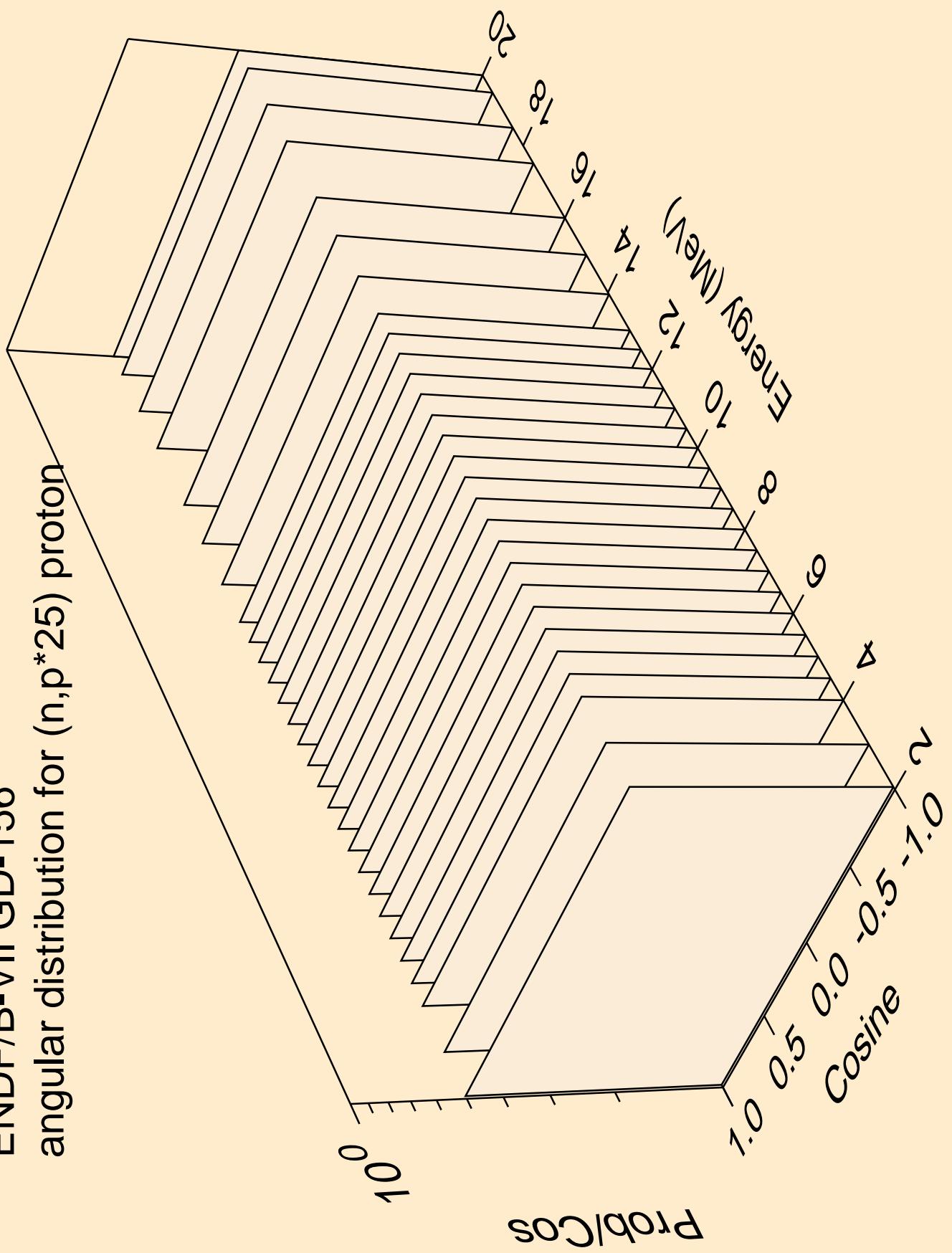
ENDF/B-VII GD-156

angular distribution for (n,p^*24) proton



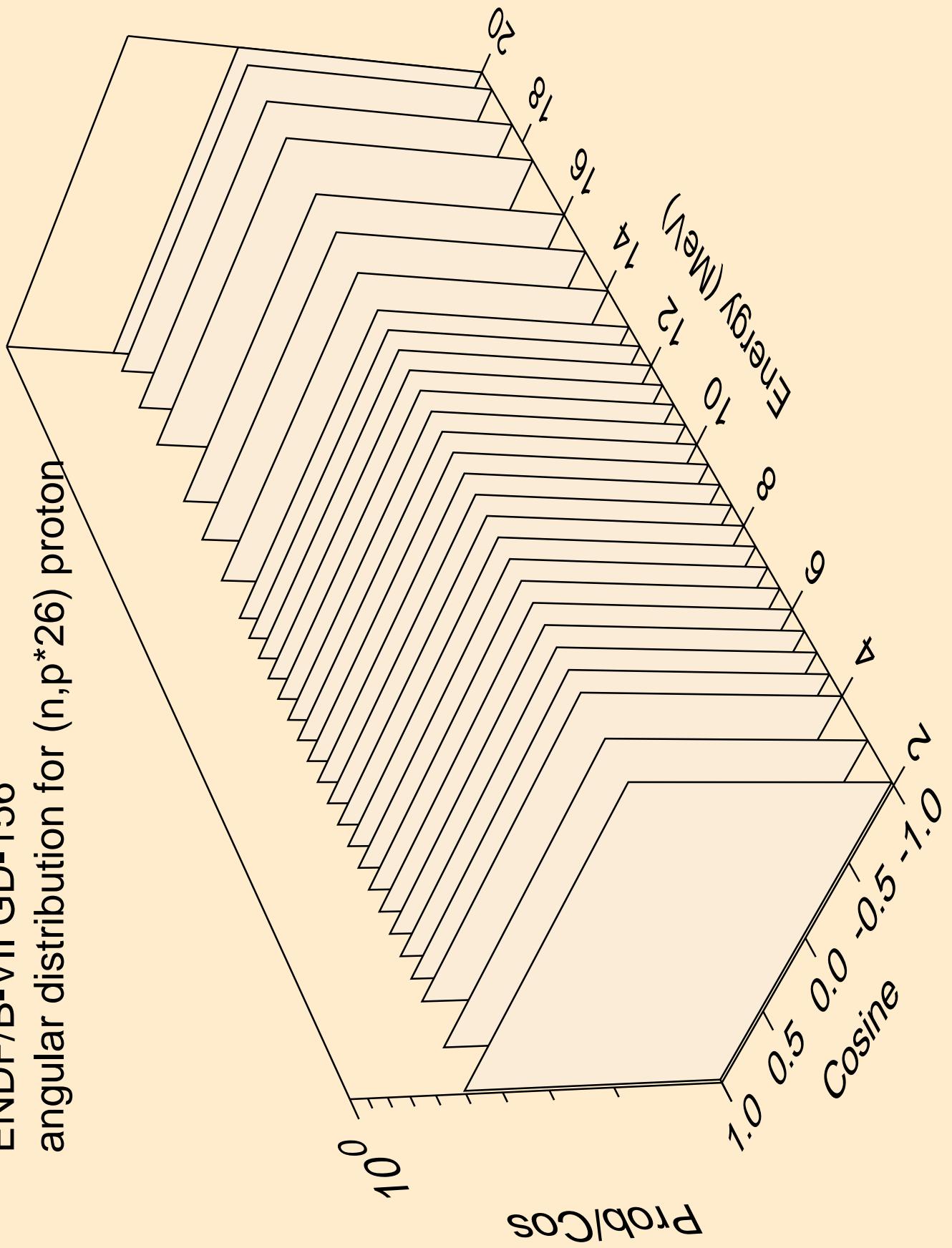
ENDF/B-VII GD-156

angular distribution for (n,p^*25) proton

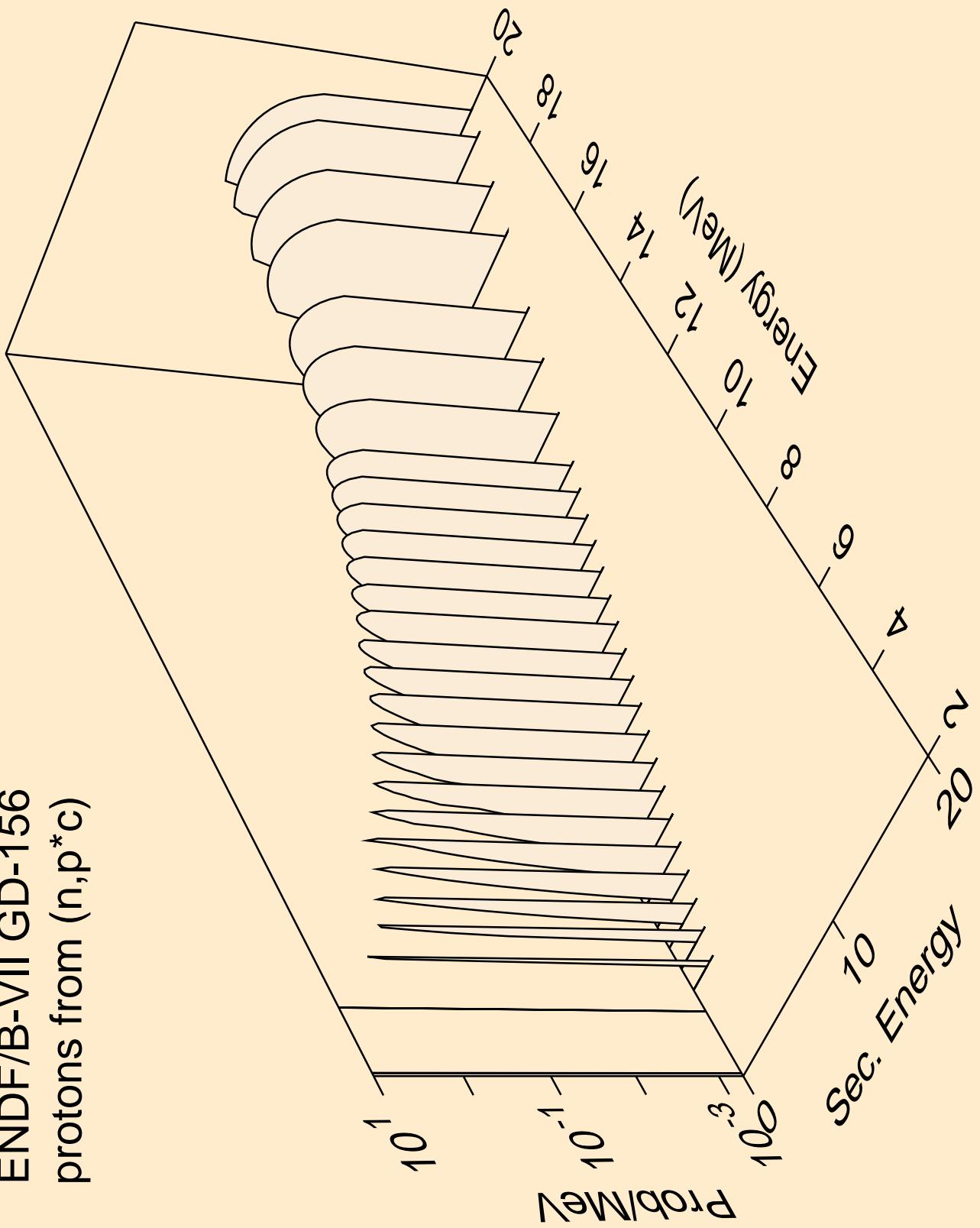


ENDF/B-VII GD-156

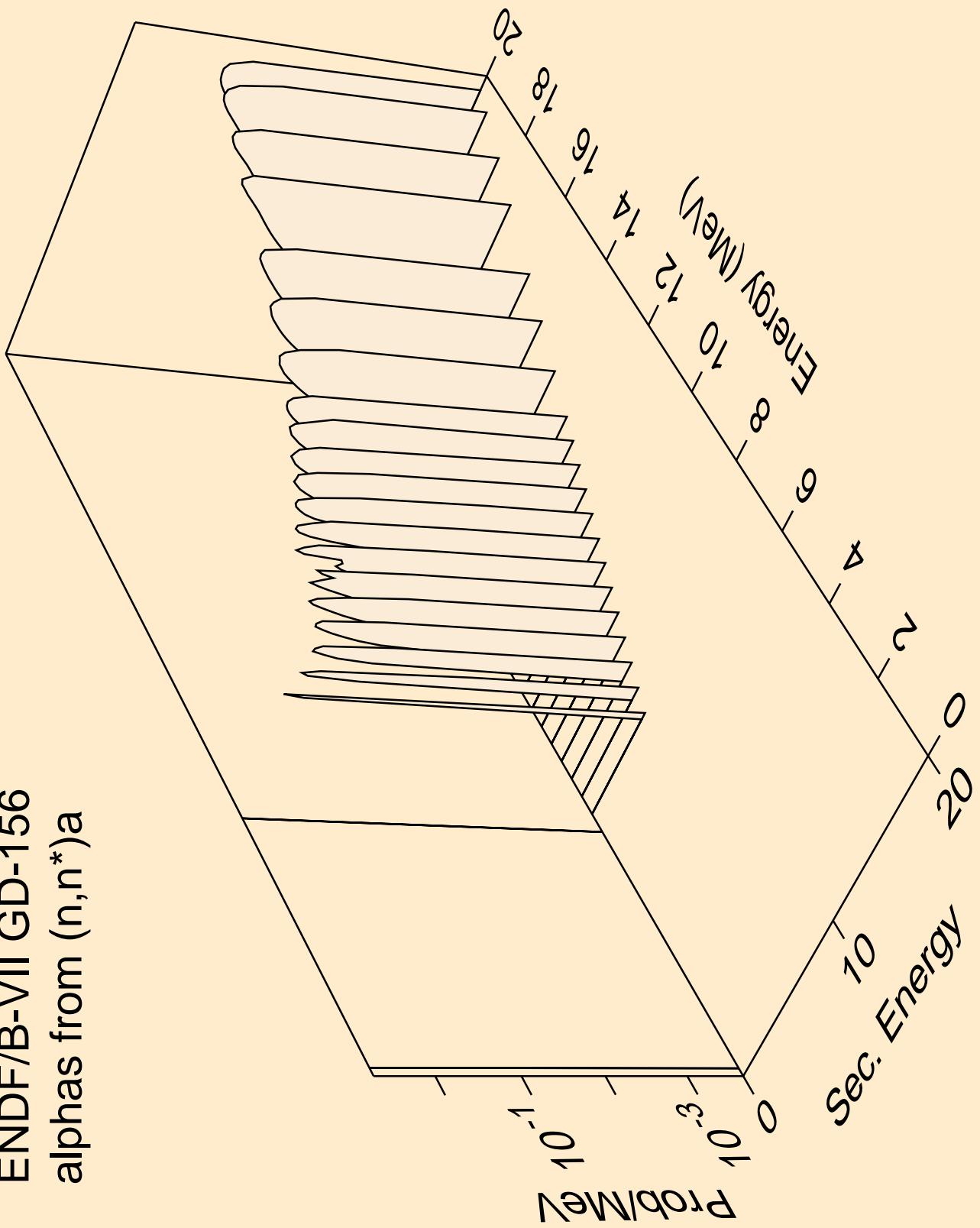
angular distribution for (n,p^*26) proton



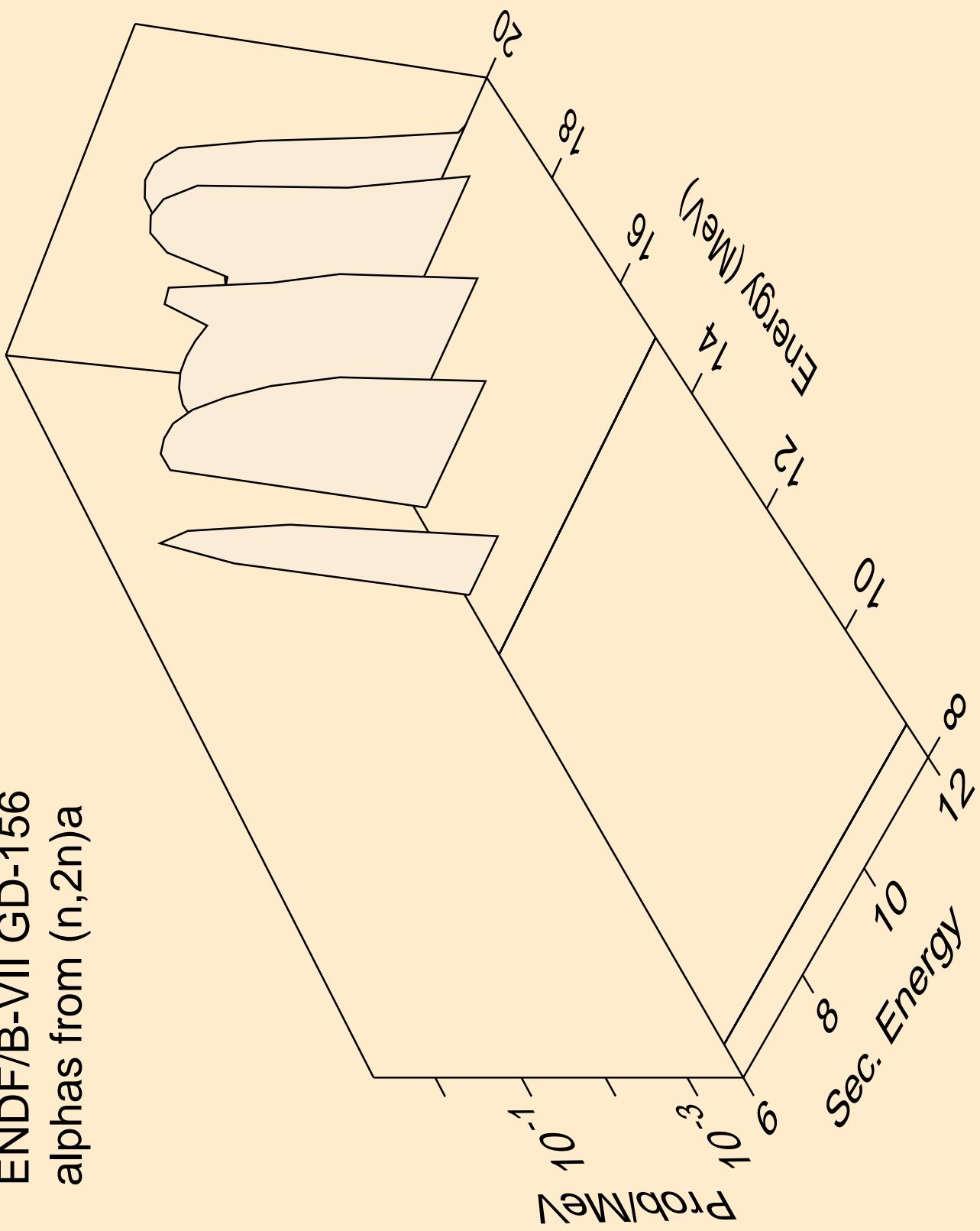
ENDF/B-VII GD-156
protons from (n, p^*c)



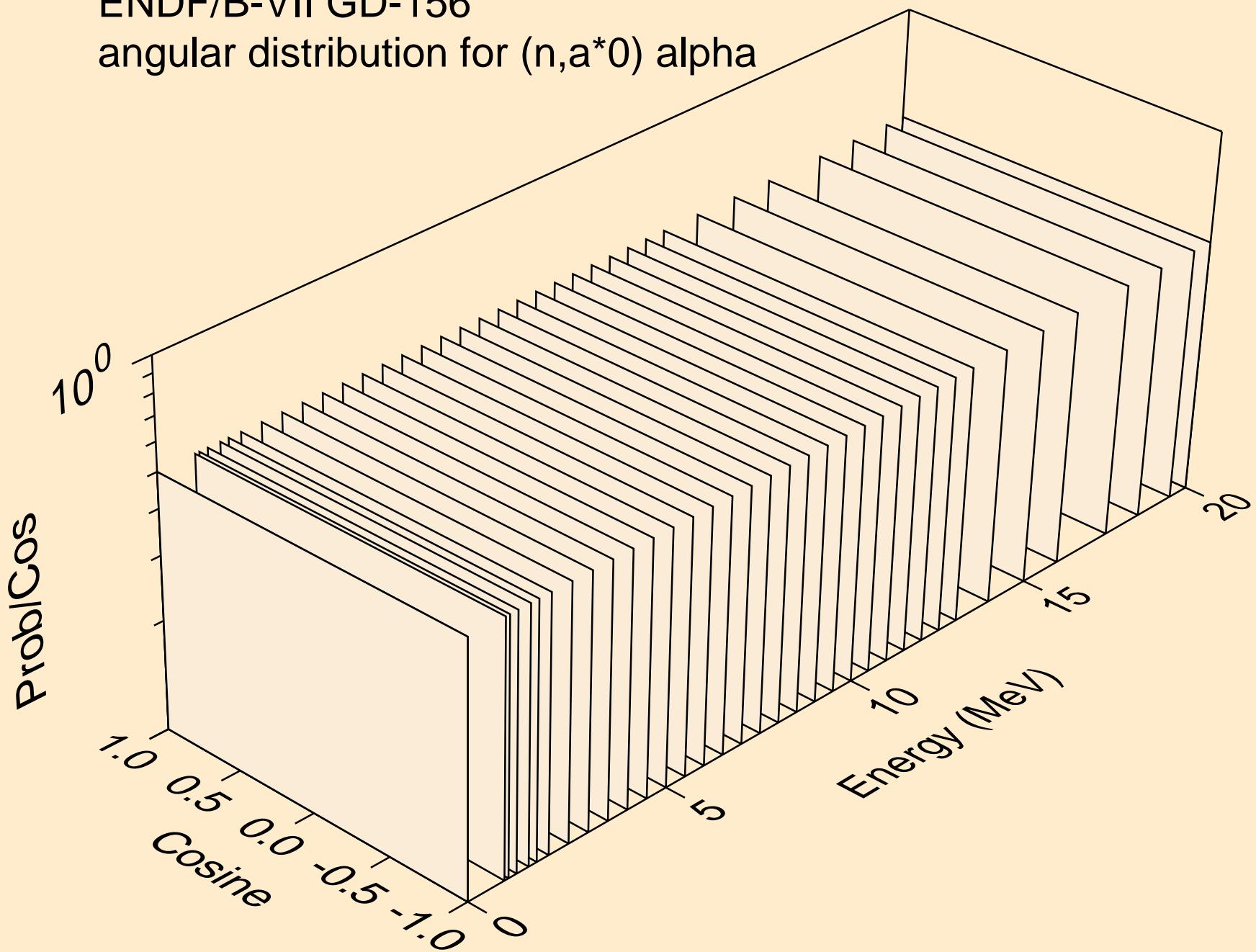
ENDF/B-VII GD-156
alphas from $(n, n^*)a$



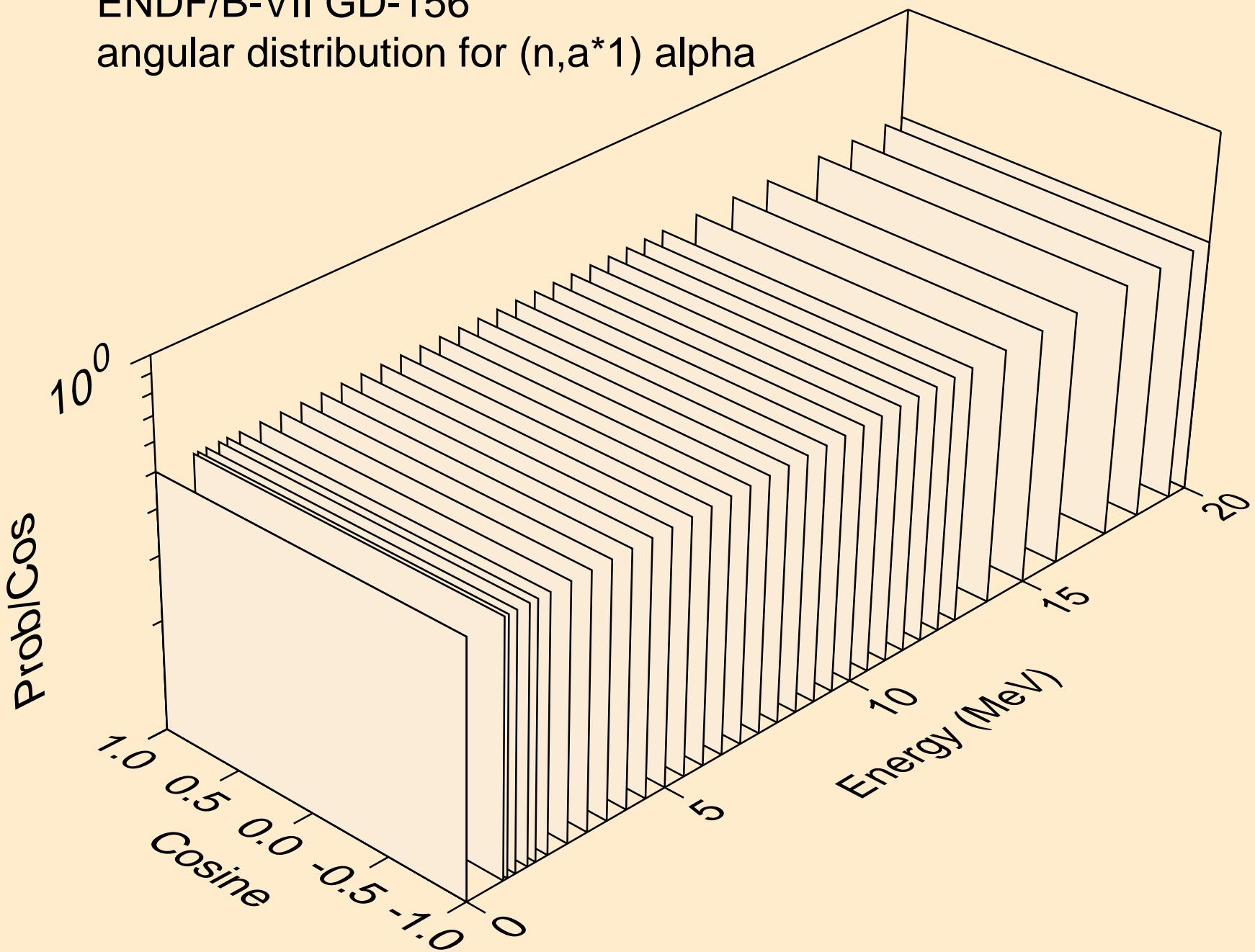
ENDF/B-VII GD-156
alphas from $(n,2n)\alpha$



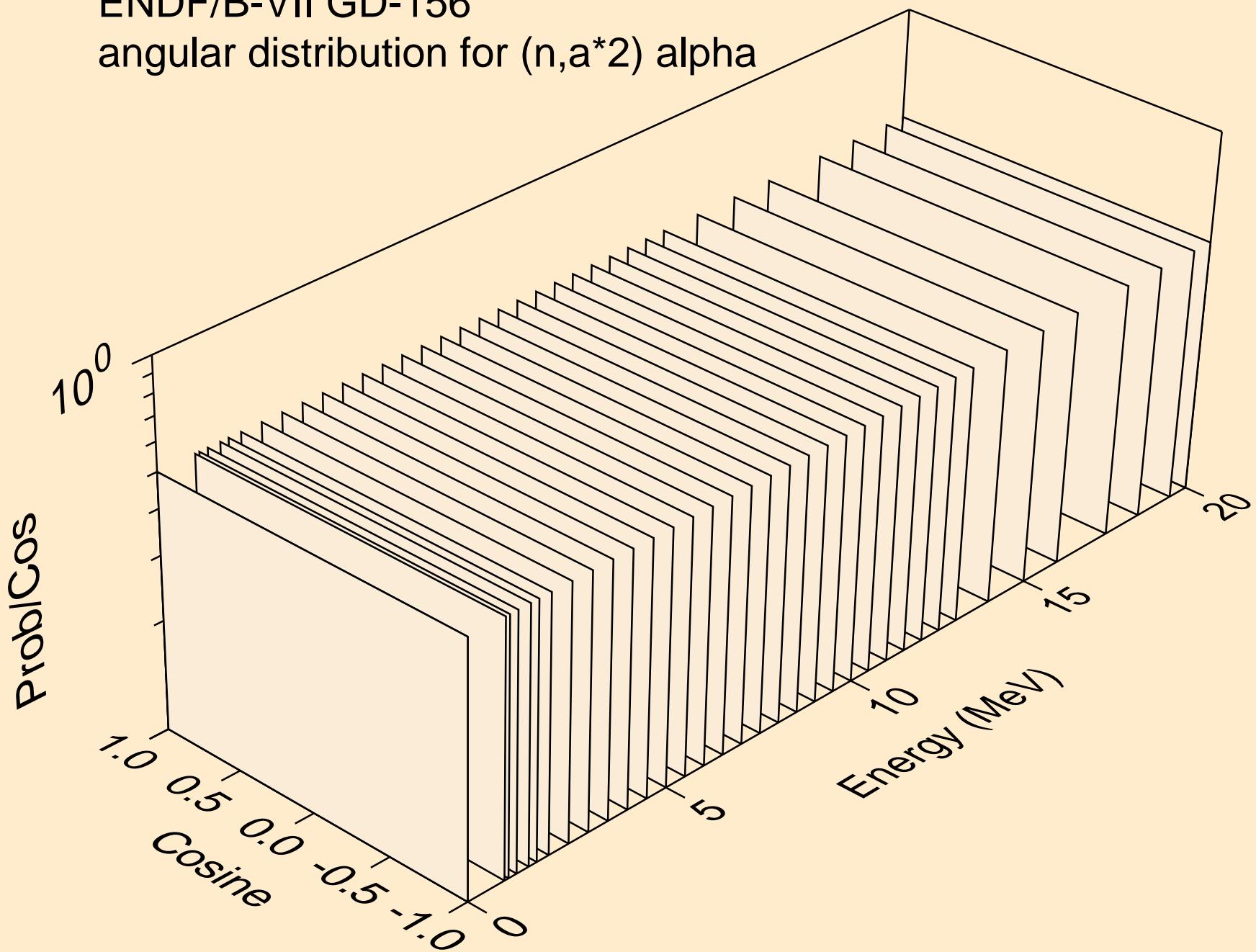
ENDF/B-VII GD-156
angular distribution for ($n, a^* 0$) alpha



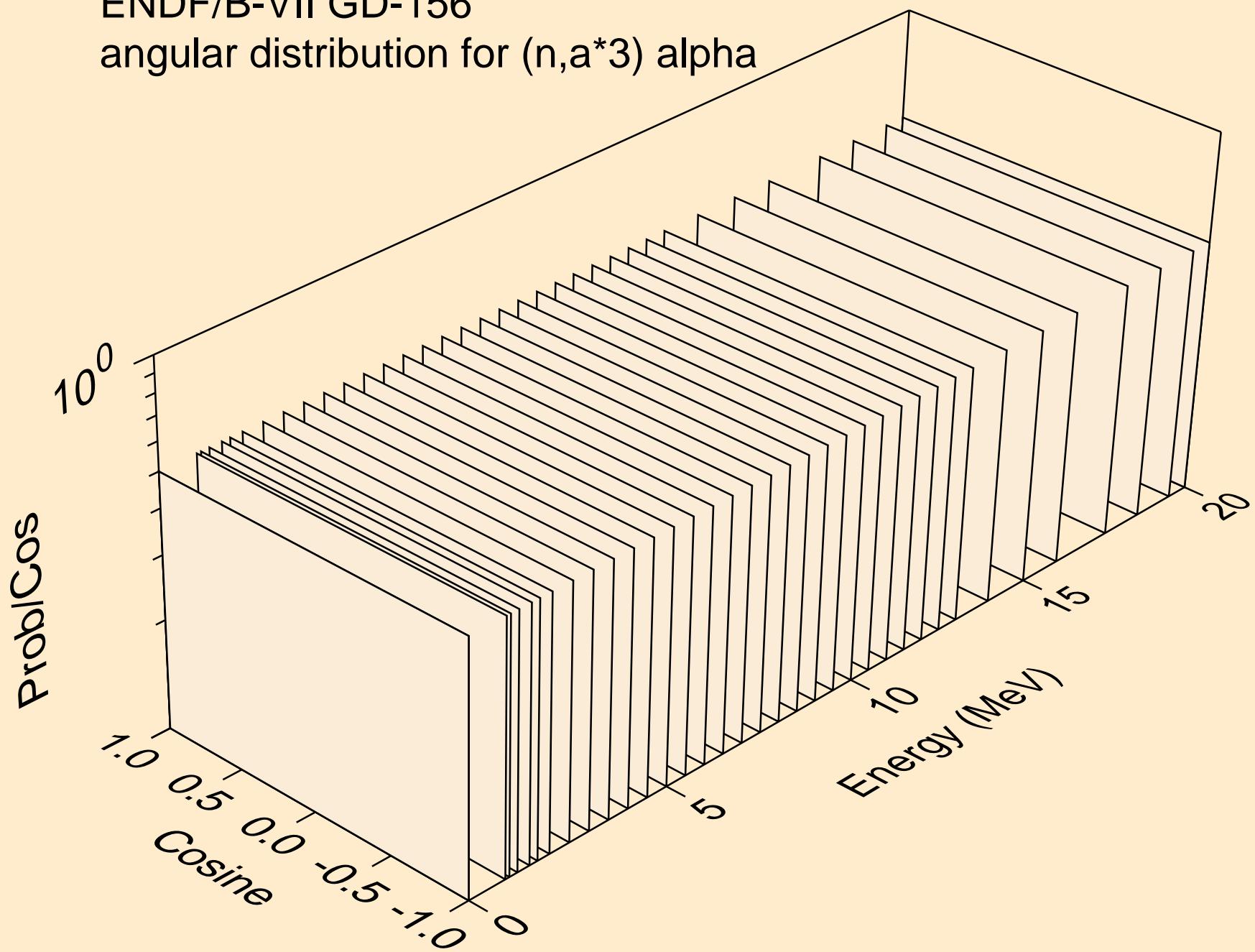
ENDF/B-VII GD-156
angular distribution for (n,a*1) alpha



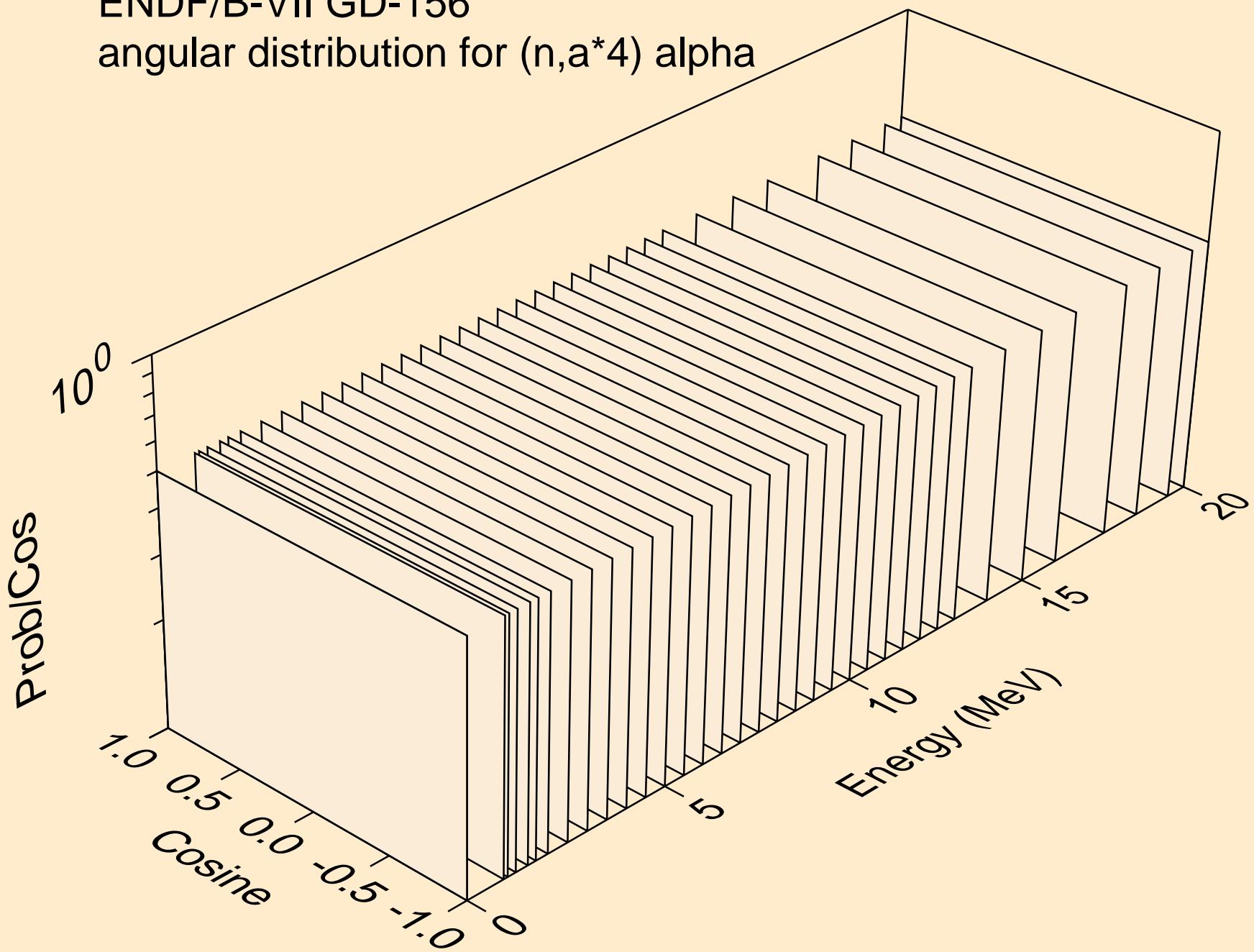
ENDF/B-VII GD-156
angular distribution for (n,a^*) alpha



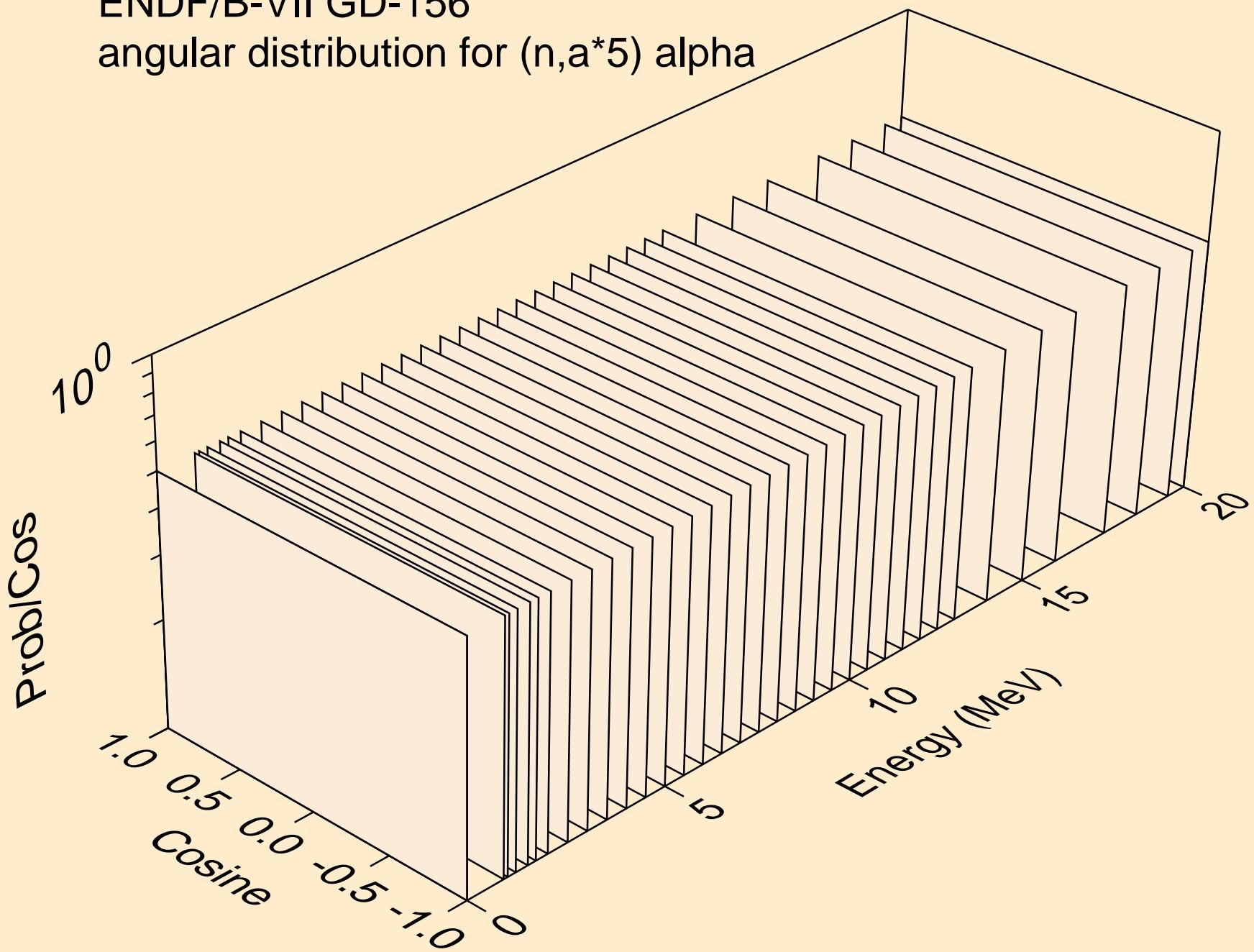
ENDF/B-VII GD-156
angular distribution for (n,a^*3) alpha



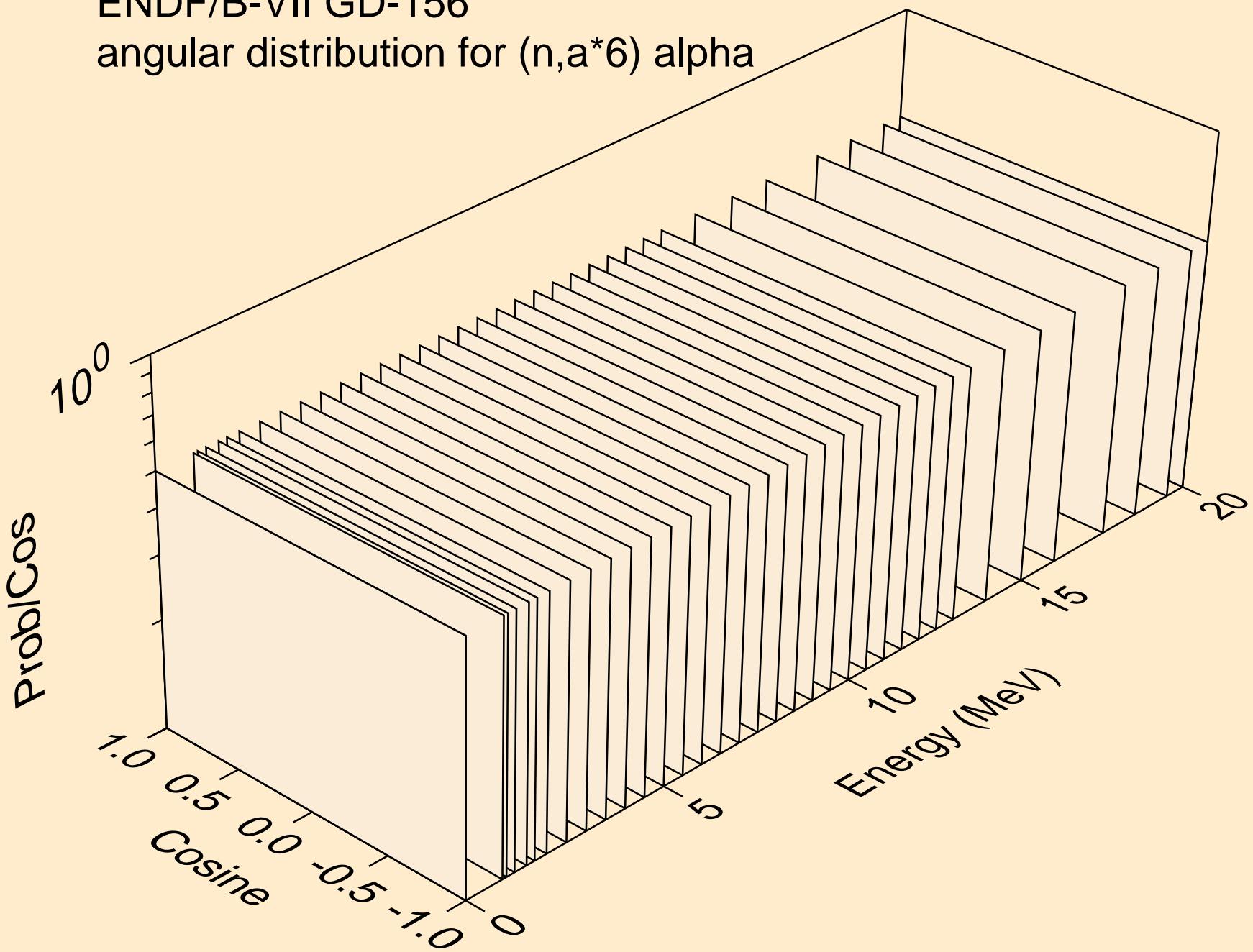
ENDF/B-VII GD-156
angular distribution for (n,a^*4) alpha



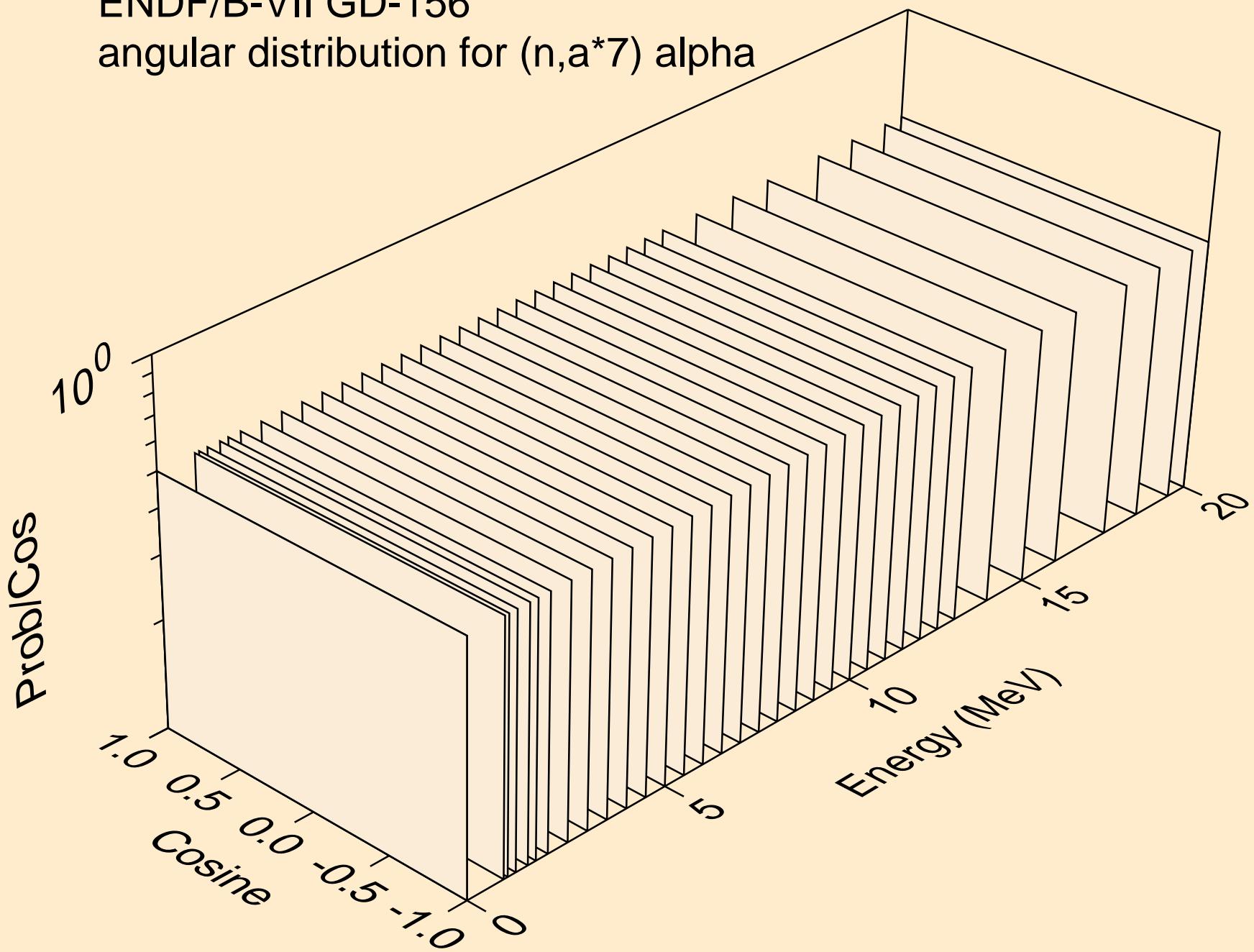
ENDF/B-VII GD-156
angular distribution for (n,a^*5) alpha



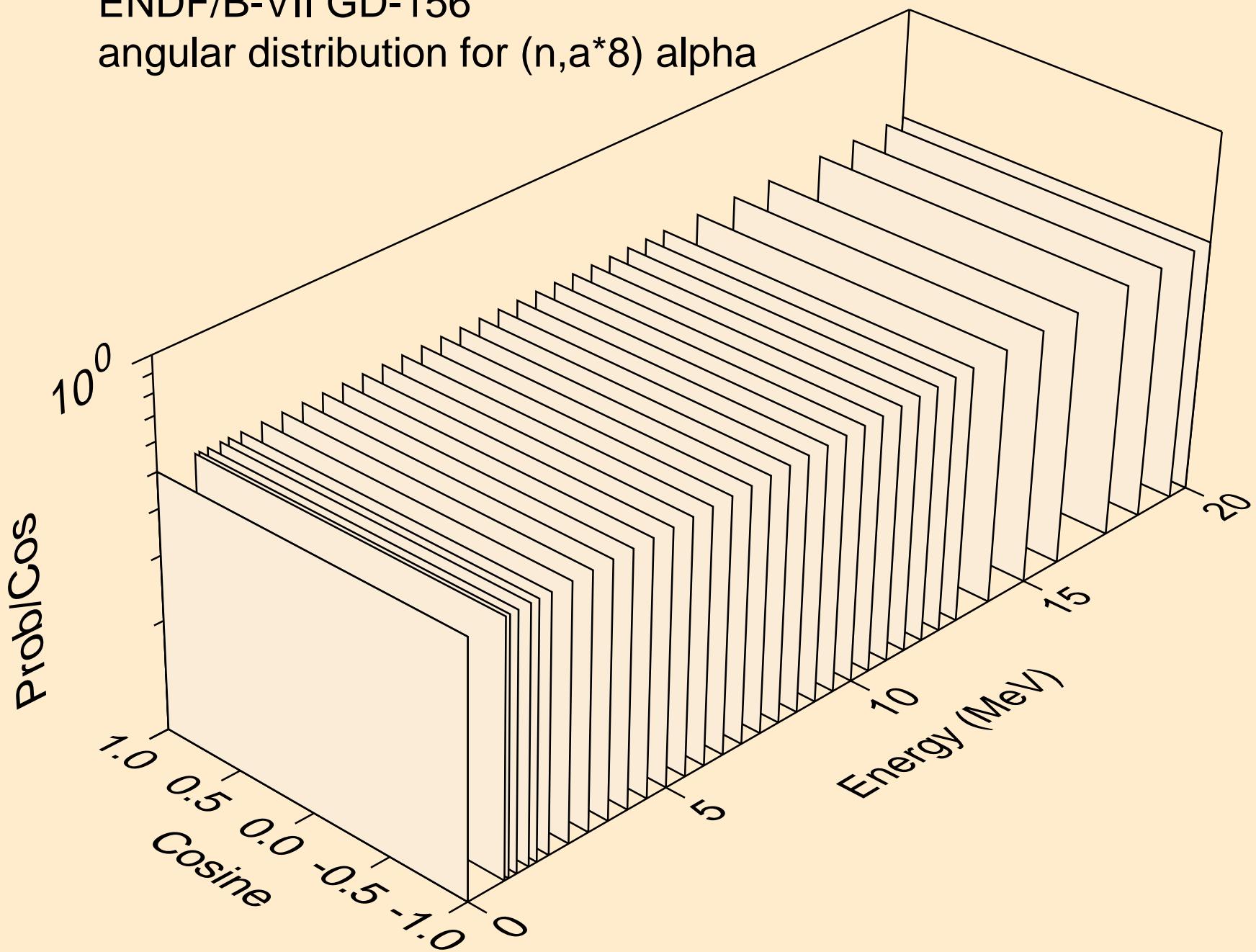
ENDF/B-VII GD-156
angular distribution for (n,a^*6) alpha



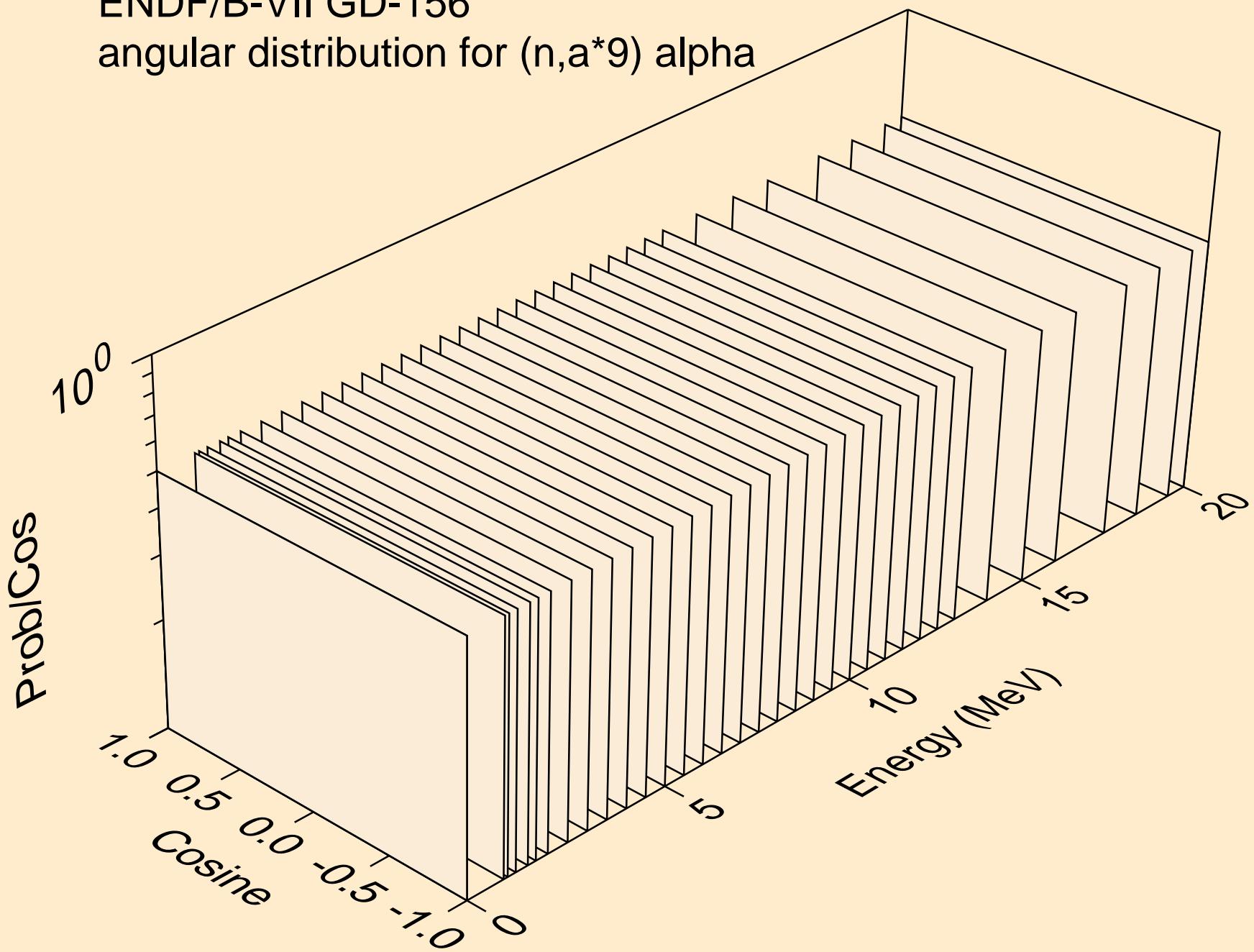
ENDF/B-VII GD-156
angular distribution for (n,a^*7) alpha



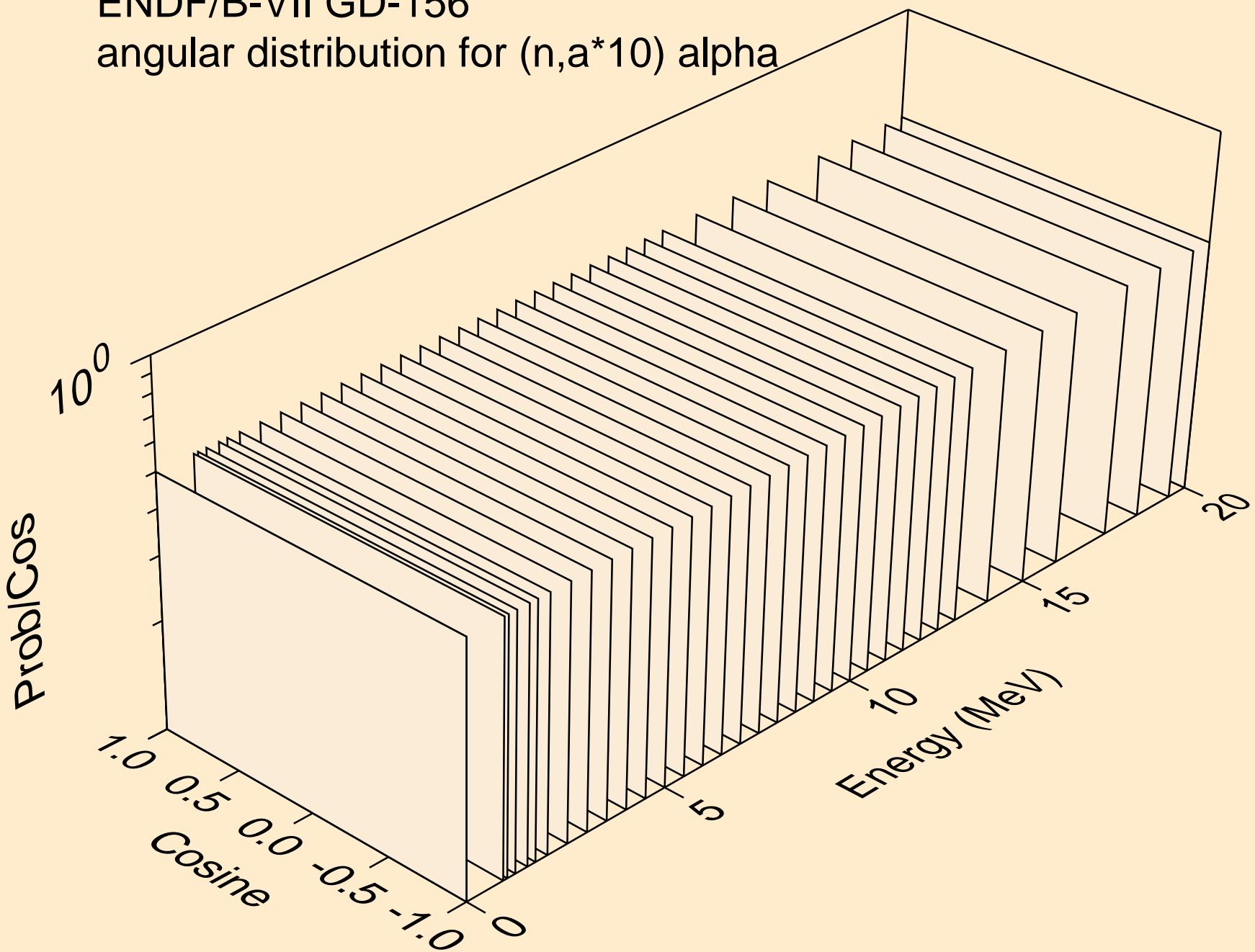
ENDF/B-VII GD-156
angular distribution for (n,a*8) alpha



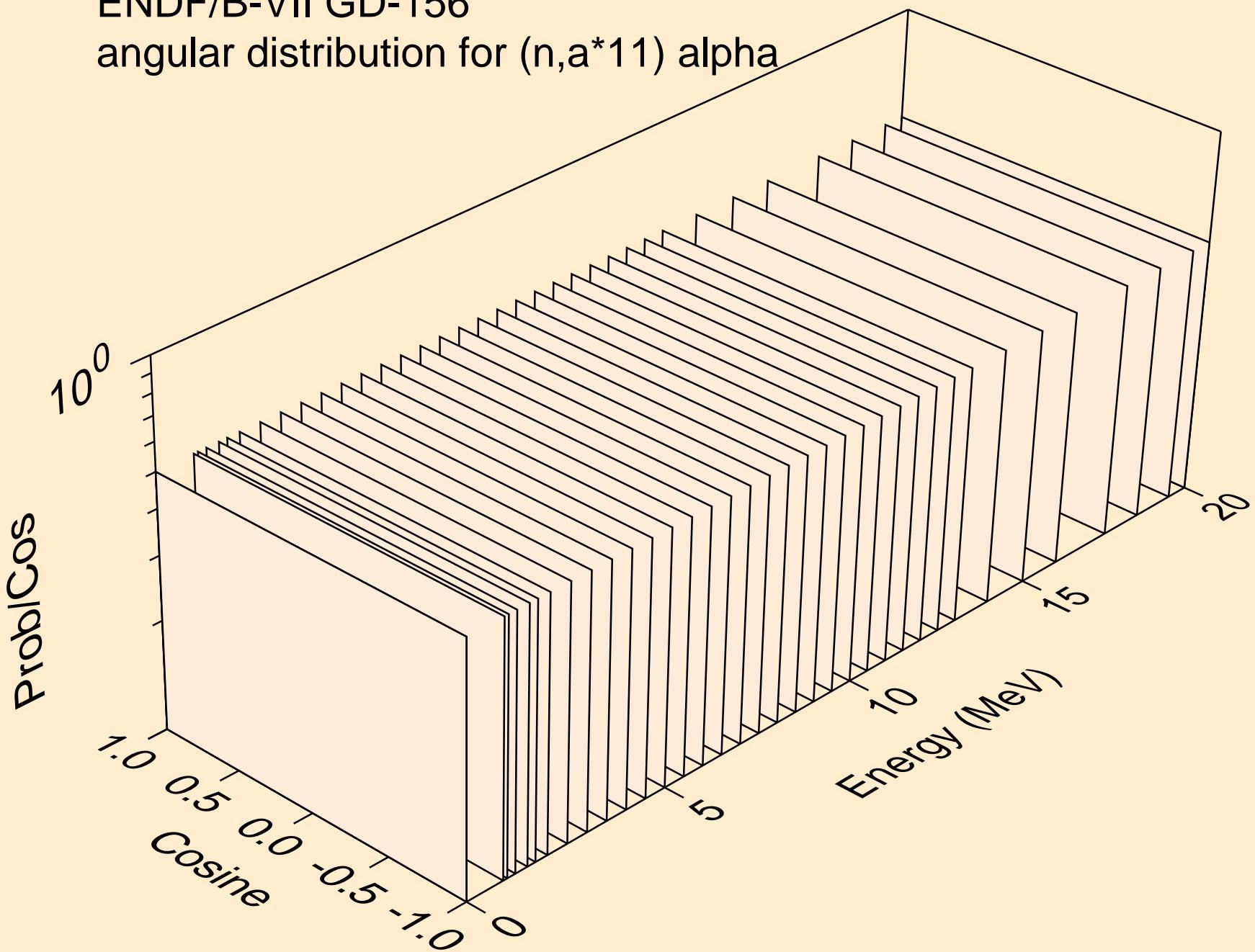
ENDF/B-VII GD-156
angular distribution for (n,a*9) alpha



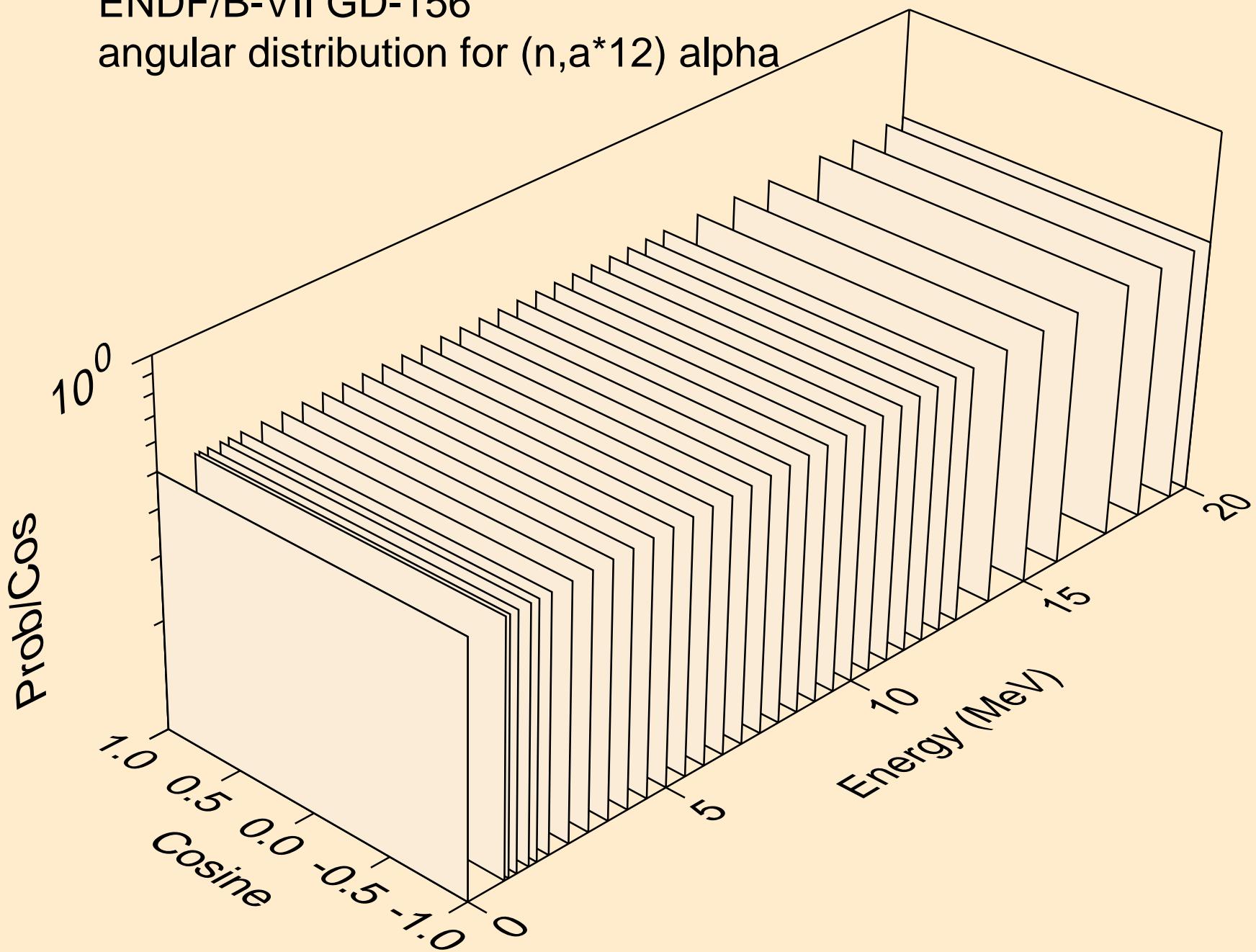
ENDF/B-VII GD-156
angular distribution for (n,a^*10) alpha



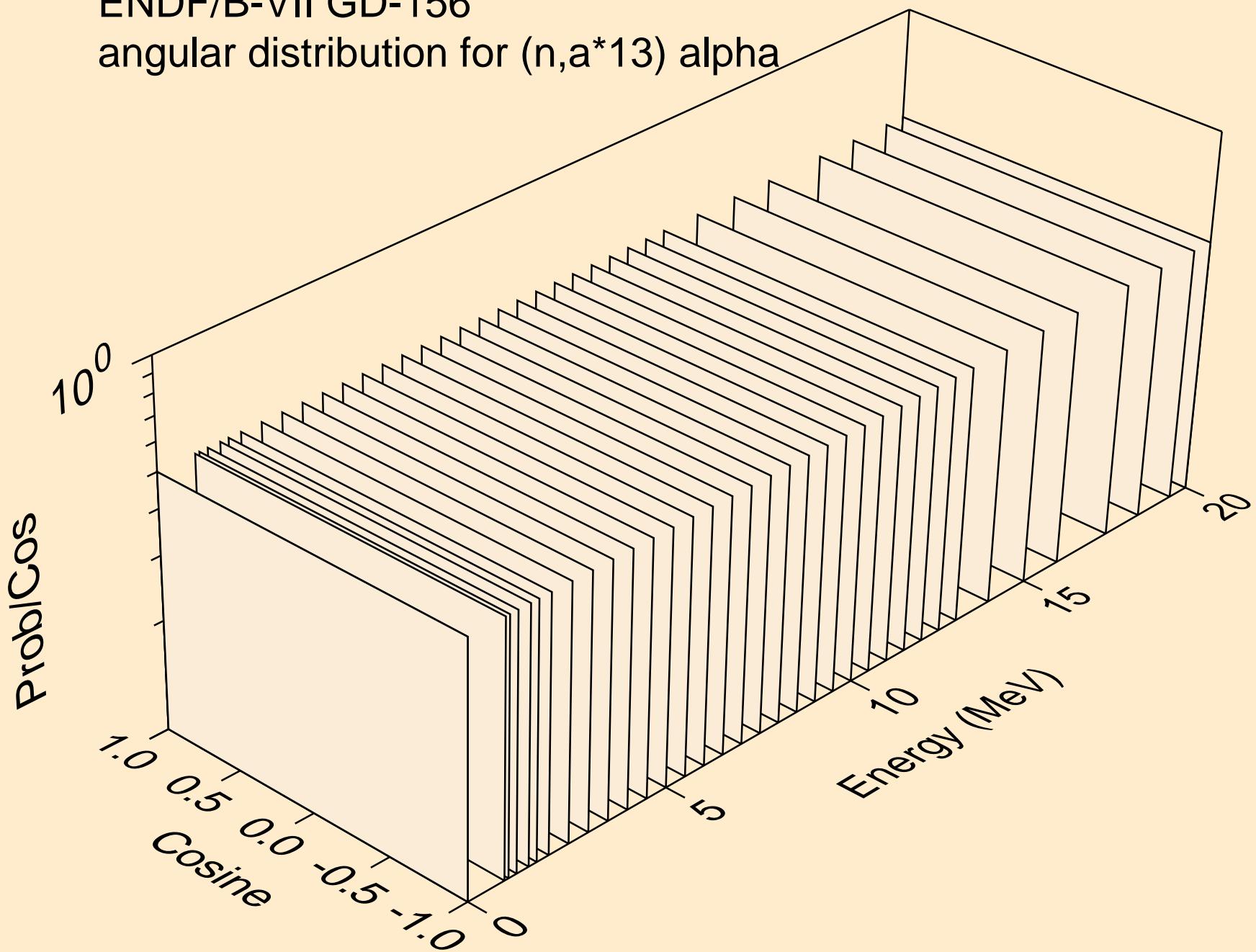
ENDF/B-VII GD-156
angular distribution for (n,a^*11) alpha



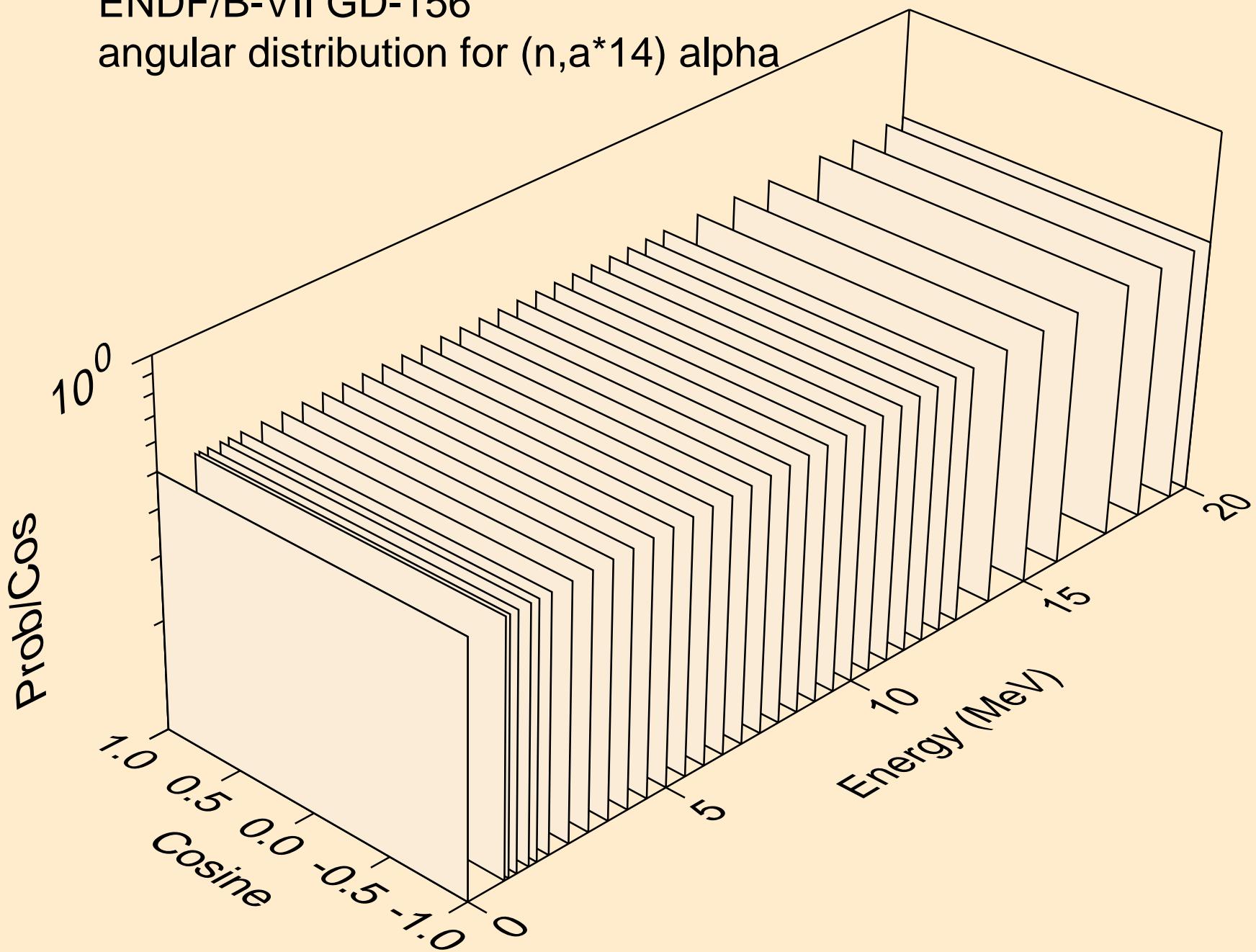
ENDF/B-VII GD-156
angular distribution for $(n,a^{*}12)$ alpha



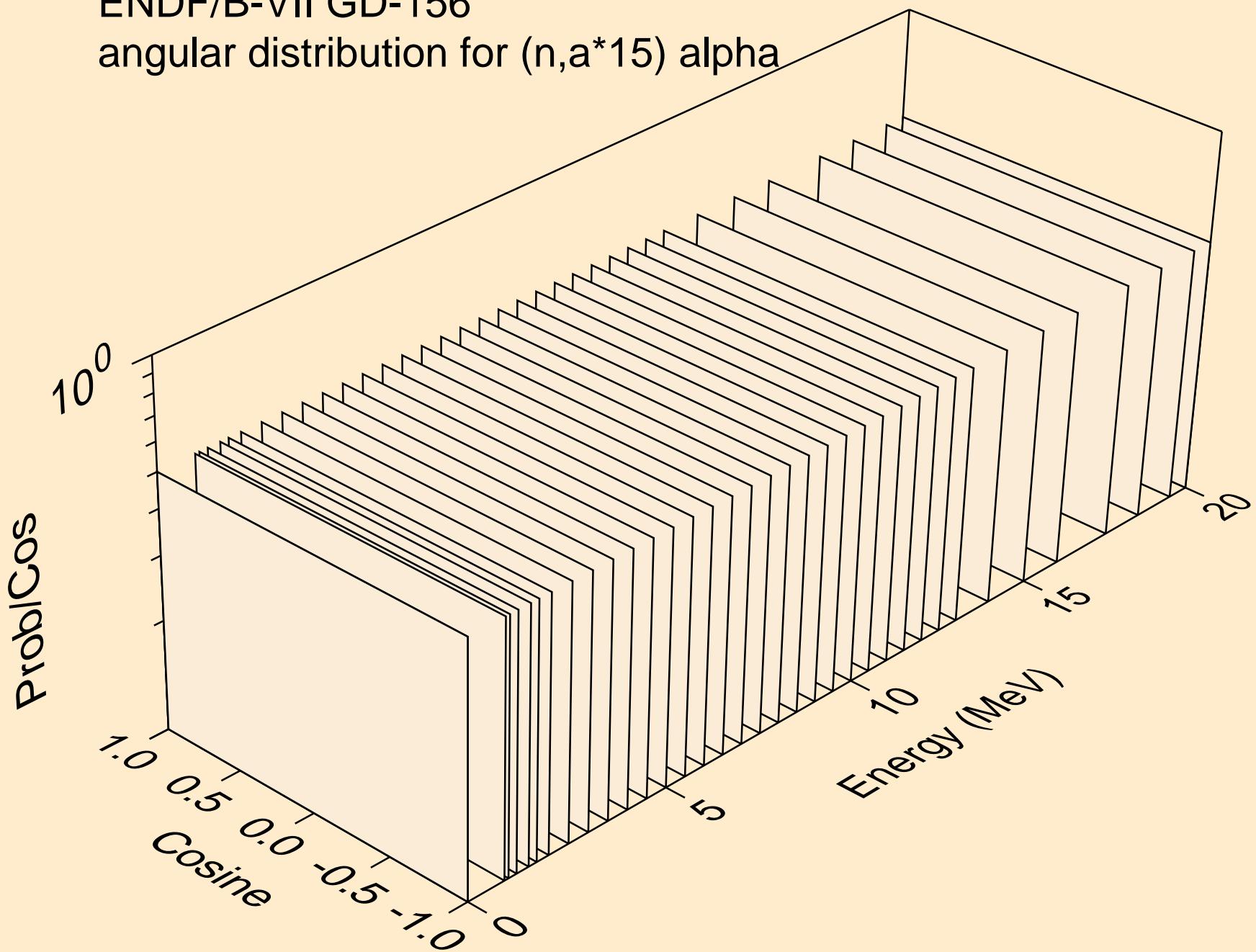
ENDF/B-VII GD-156
angular distribution for (n,a^*13) alpha



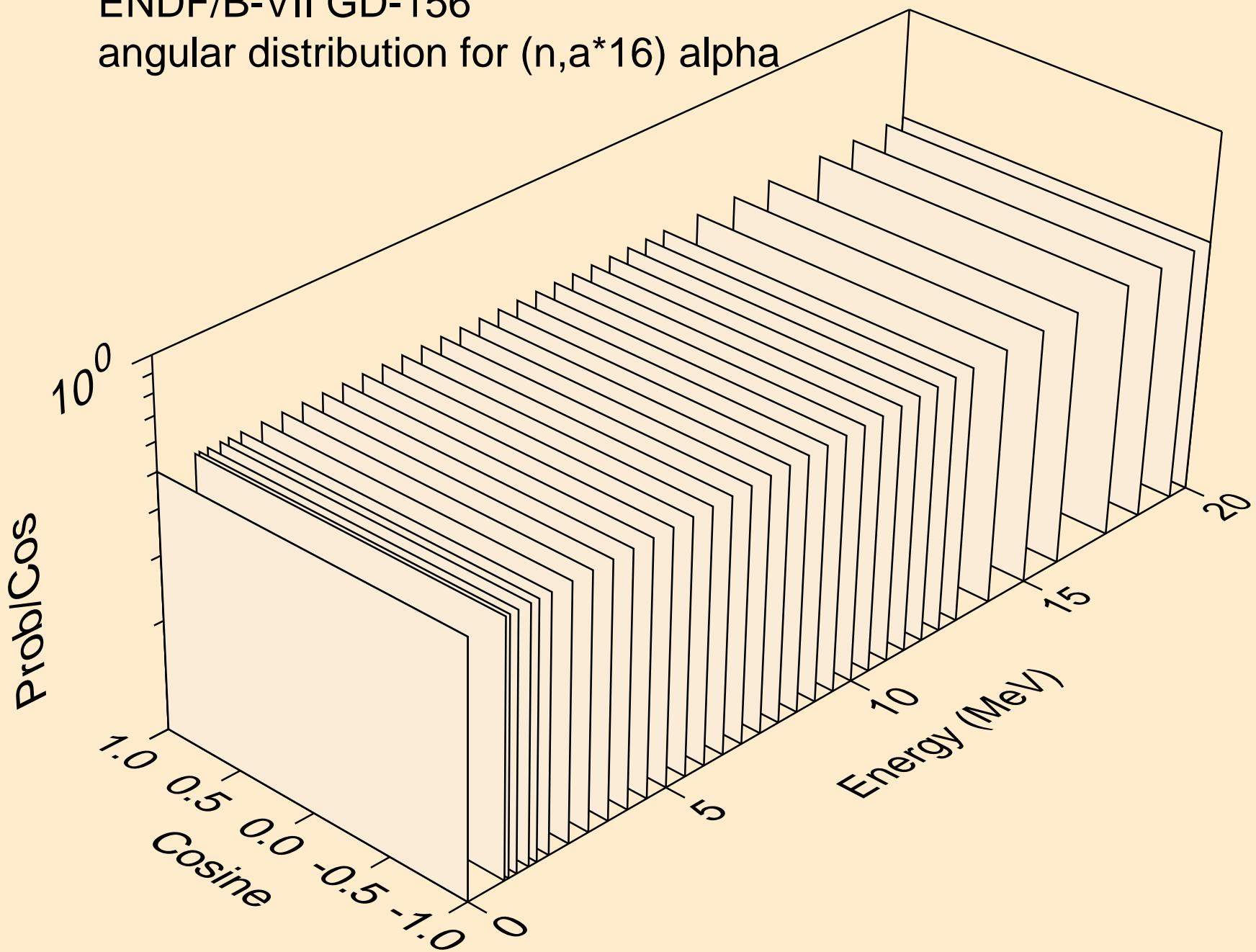
ENDF/B-VII GD-156
angular distribution for (n,a^*14) alpha



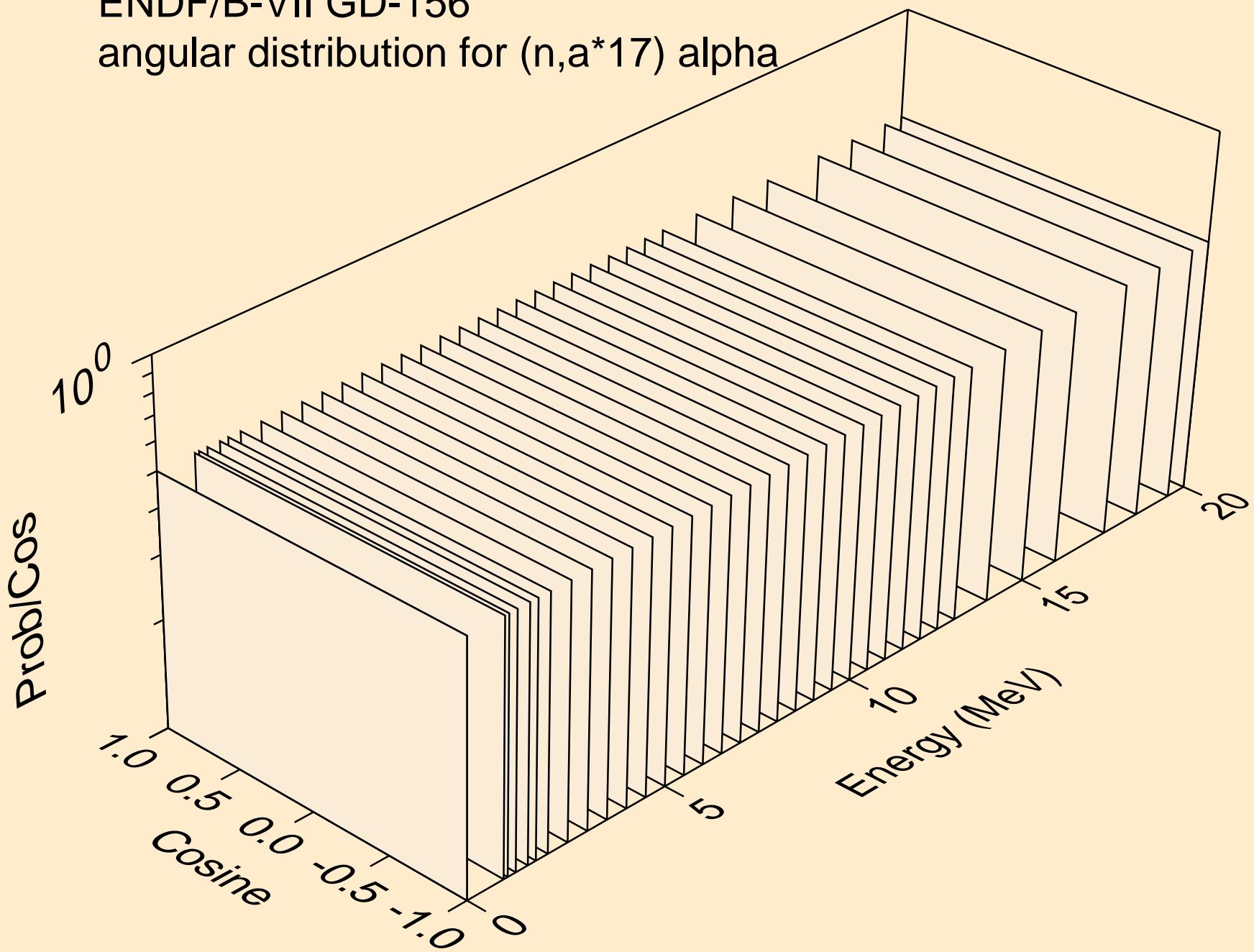
ENDF/B-VII GD-156
angular distribution for (n,a^*15) alpha



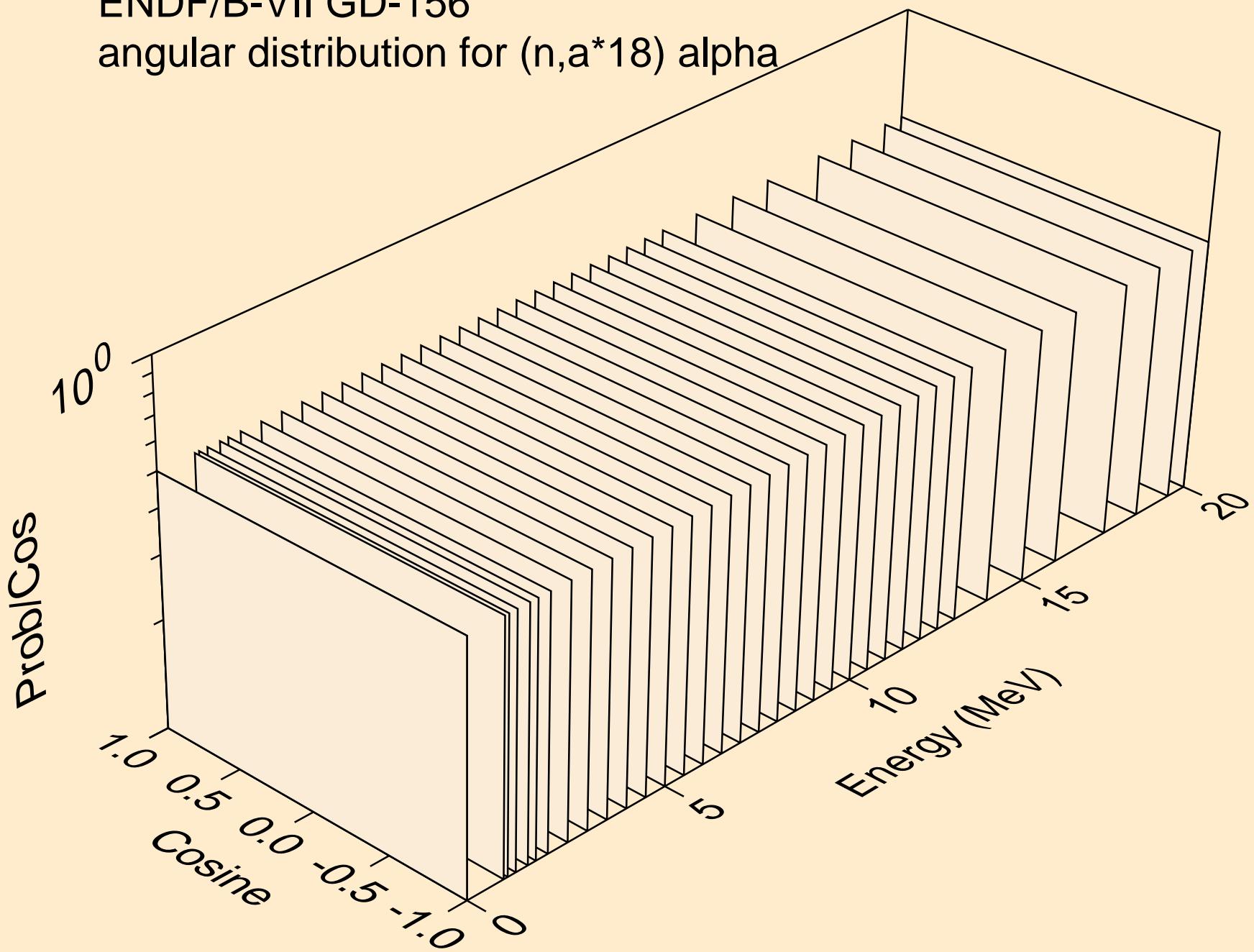
ENDF/B-VII GD-156
angular distribution for (n,a^*16) alpha



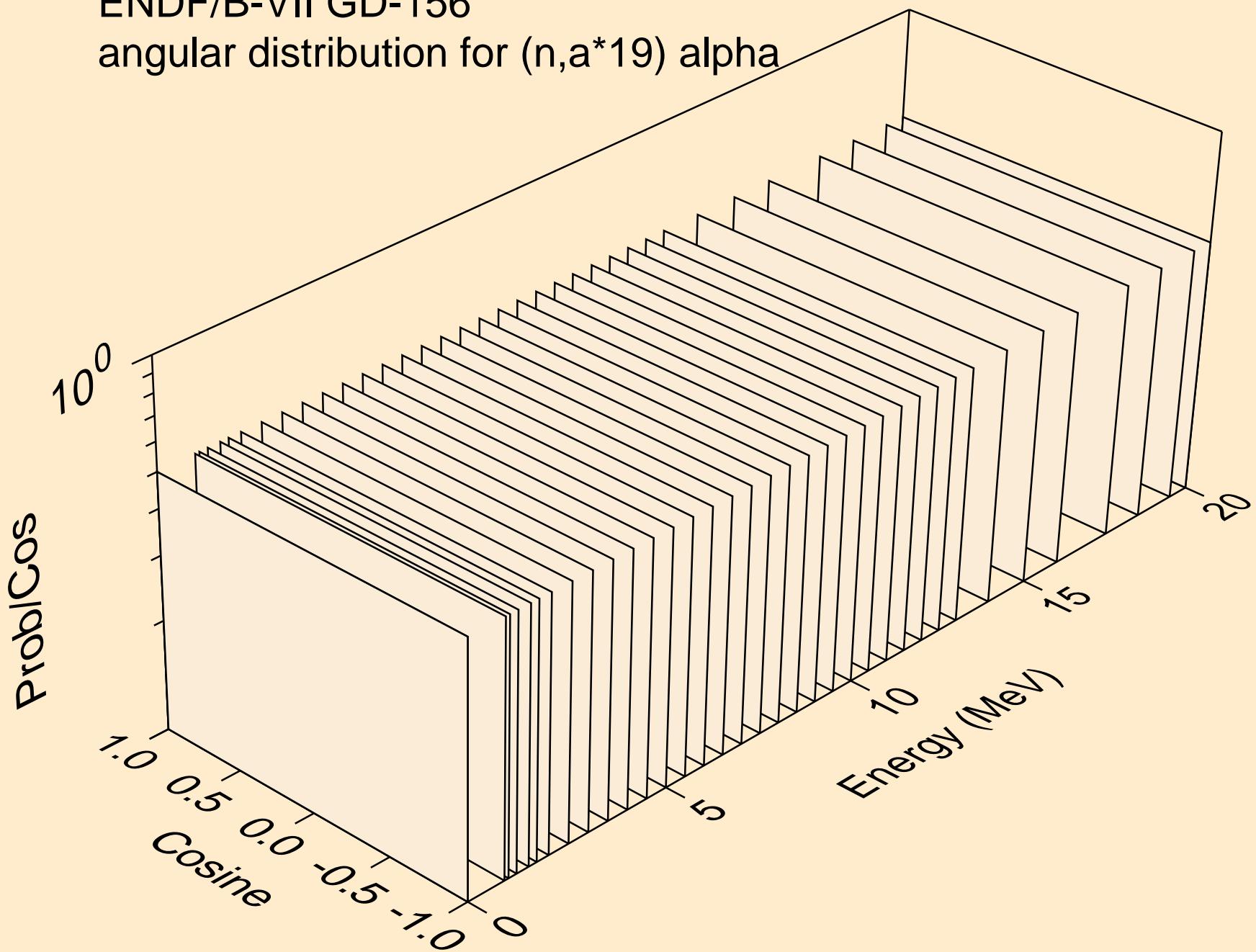
ENDF/B-VII GD-156
angular distribution for (n,a^*17) alpha



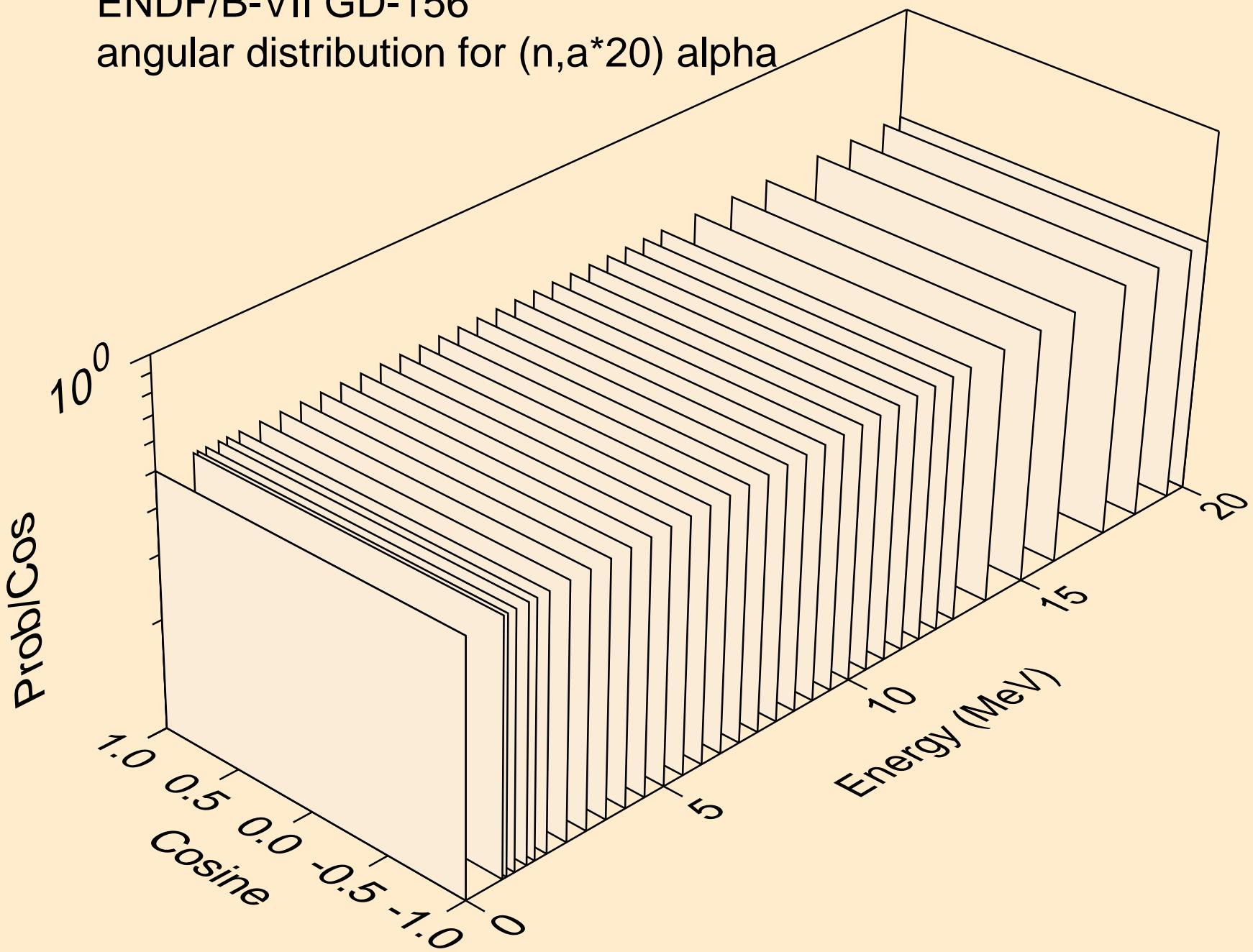
ENDF/B-VII GD-156
angular distribution for (n,a*18) alpha



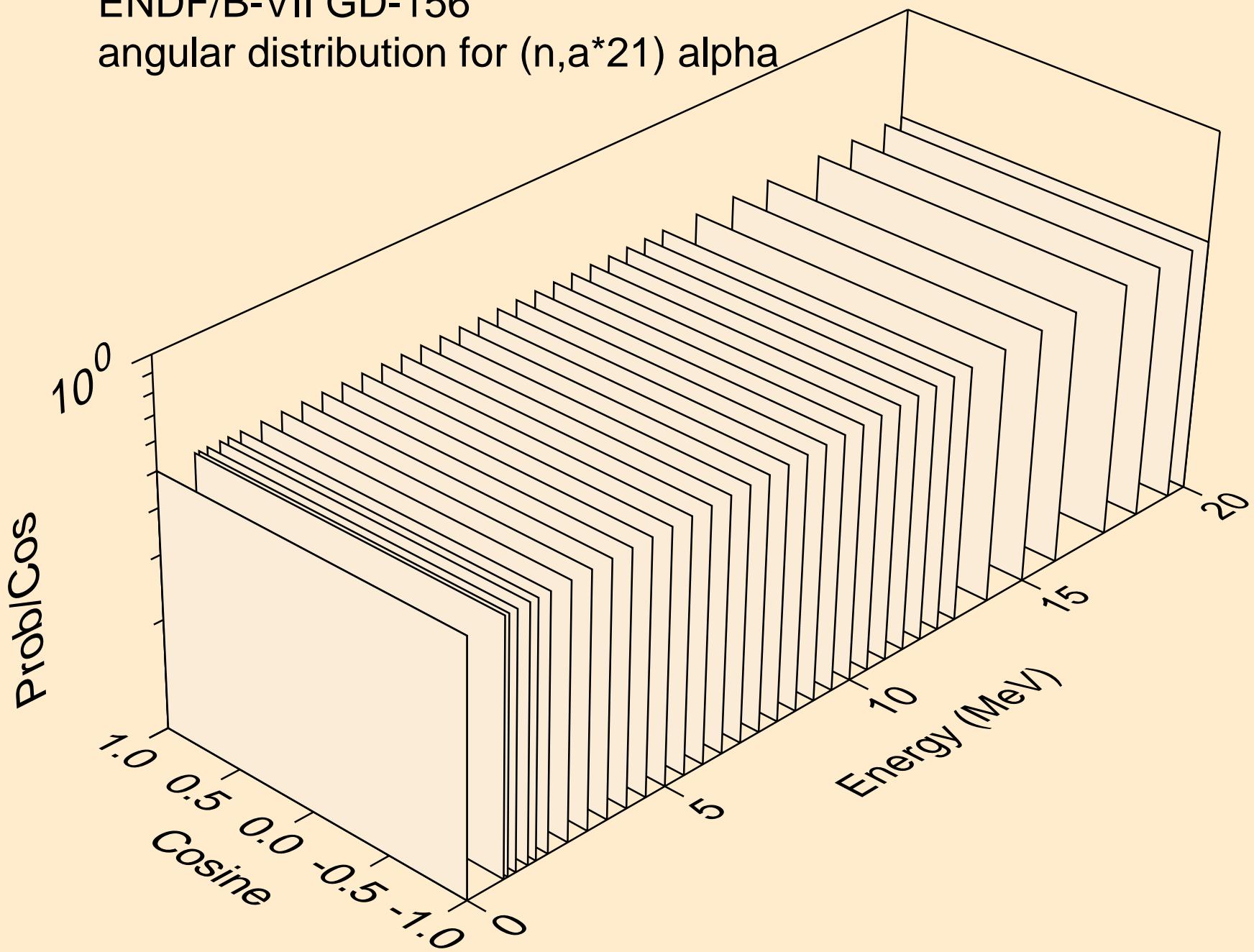
ENDF/B-VII GD-156
angular distribution for (n,a^*19) alpha



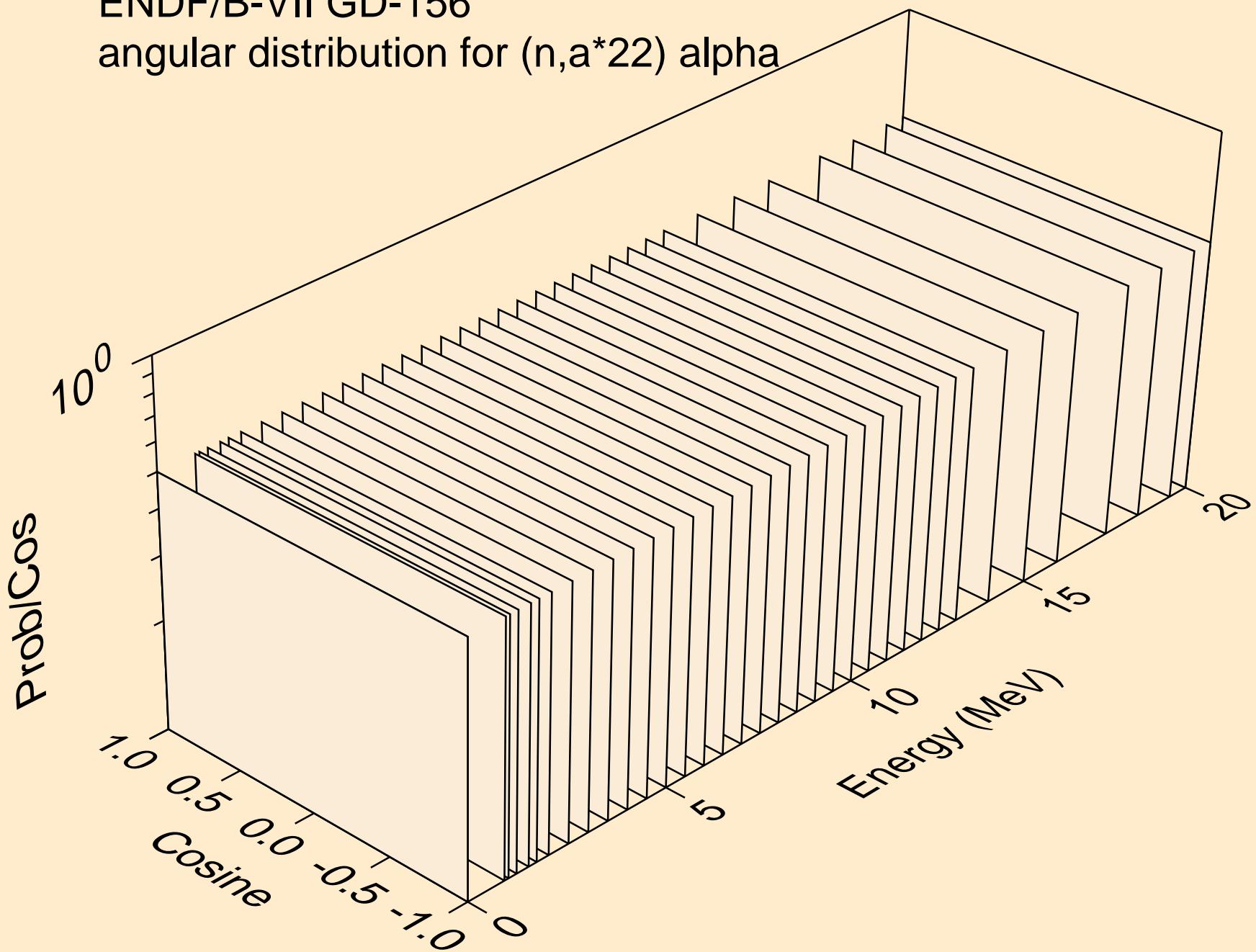
ENDF/B-VII GD-156
angular distribution for (n,a^*20) alpha



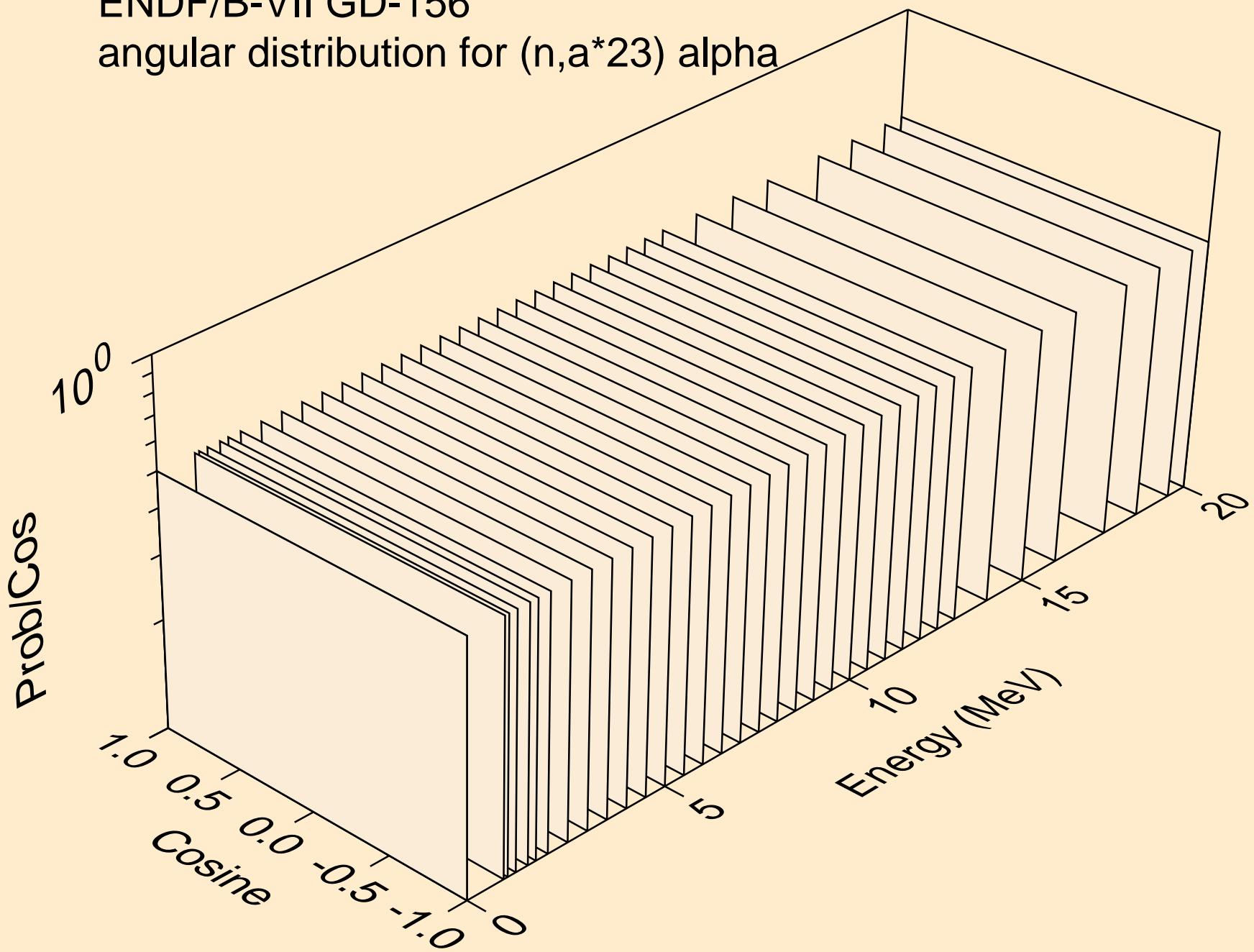
ENDF/B-VII GD-156
angular distribution for (n,a^*21) alpha



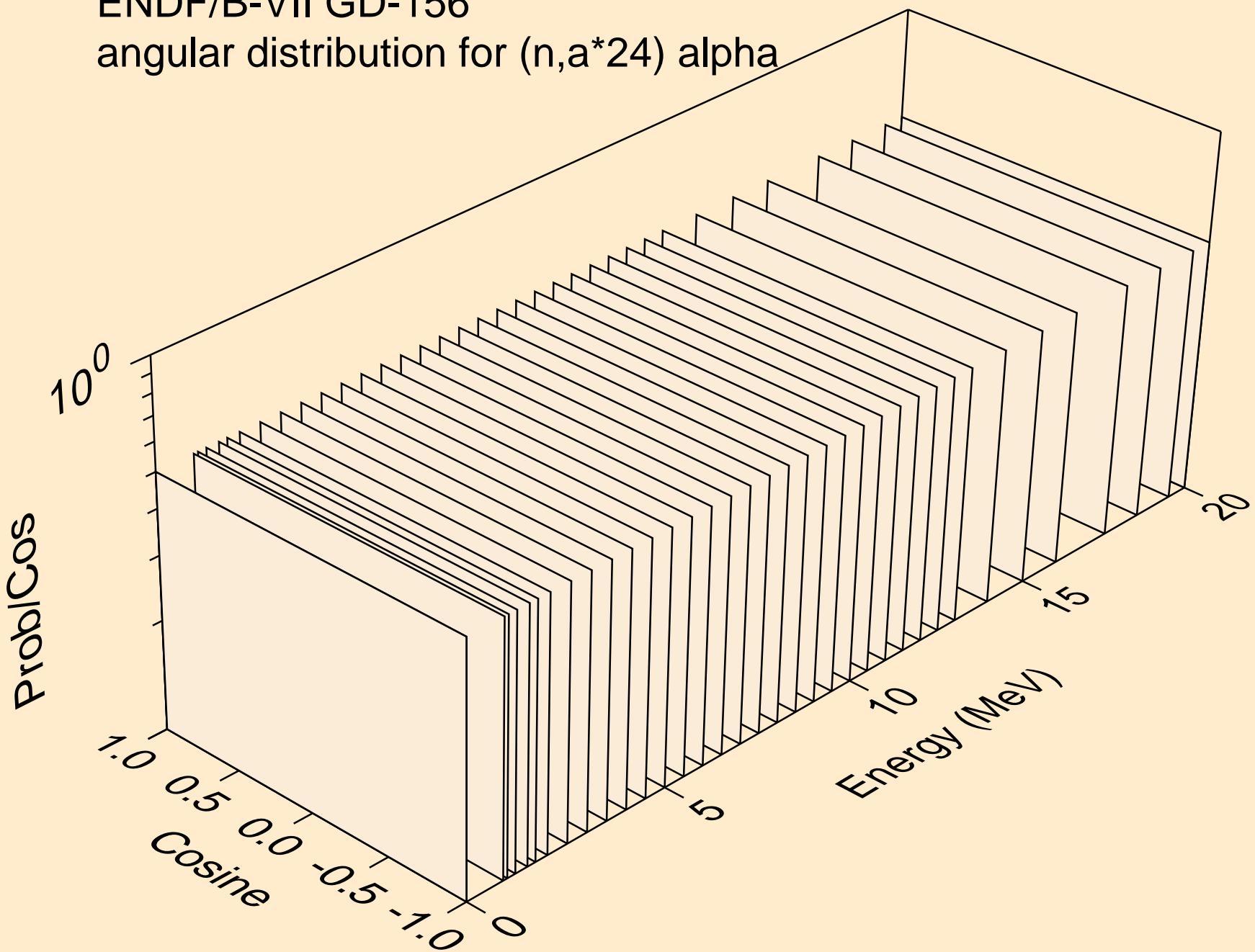
ENDF/B-VII GD-156
angular distribution for (n,a^*22) alpha



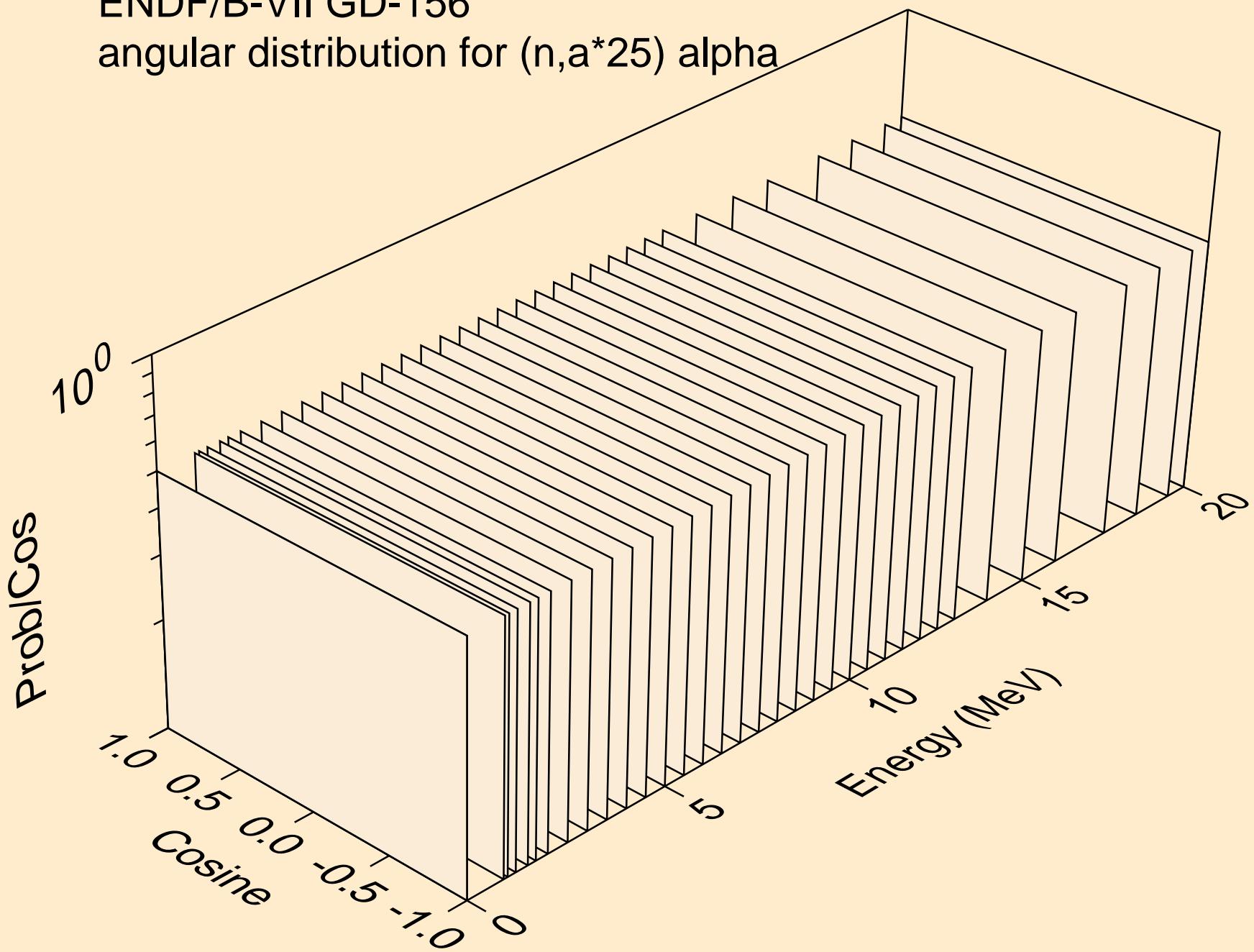
ENDF/B-VII GD-156
angular distribution for ($n, \alpha^* 23$) alpha



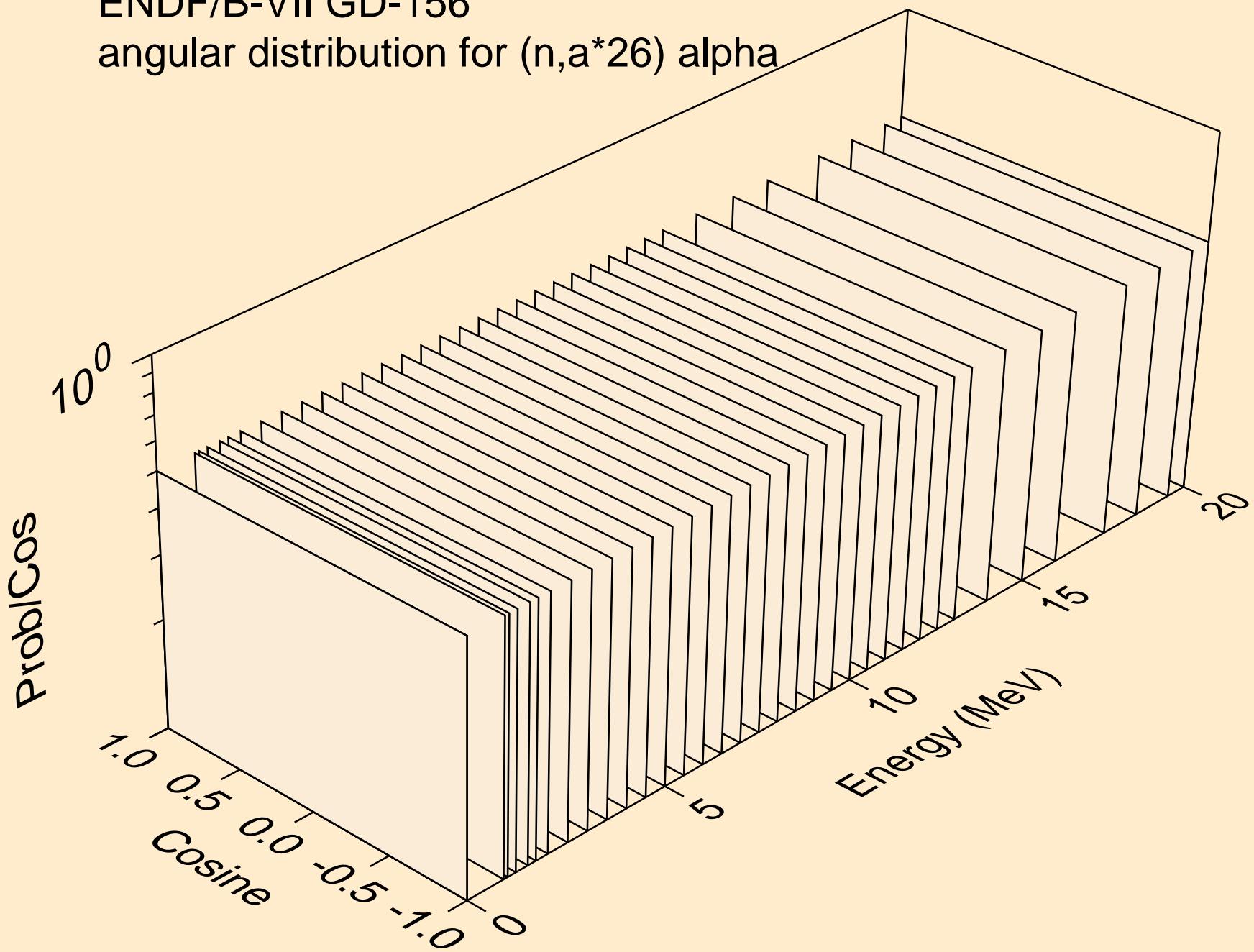
ENDF/B-VII GD-156
angular distribution for (n,a^*24) alpha



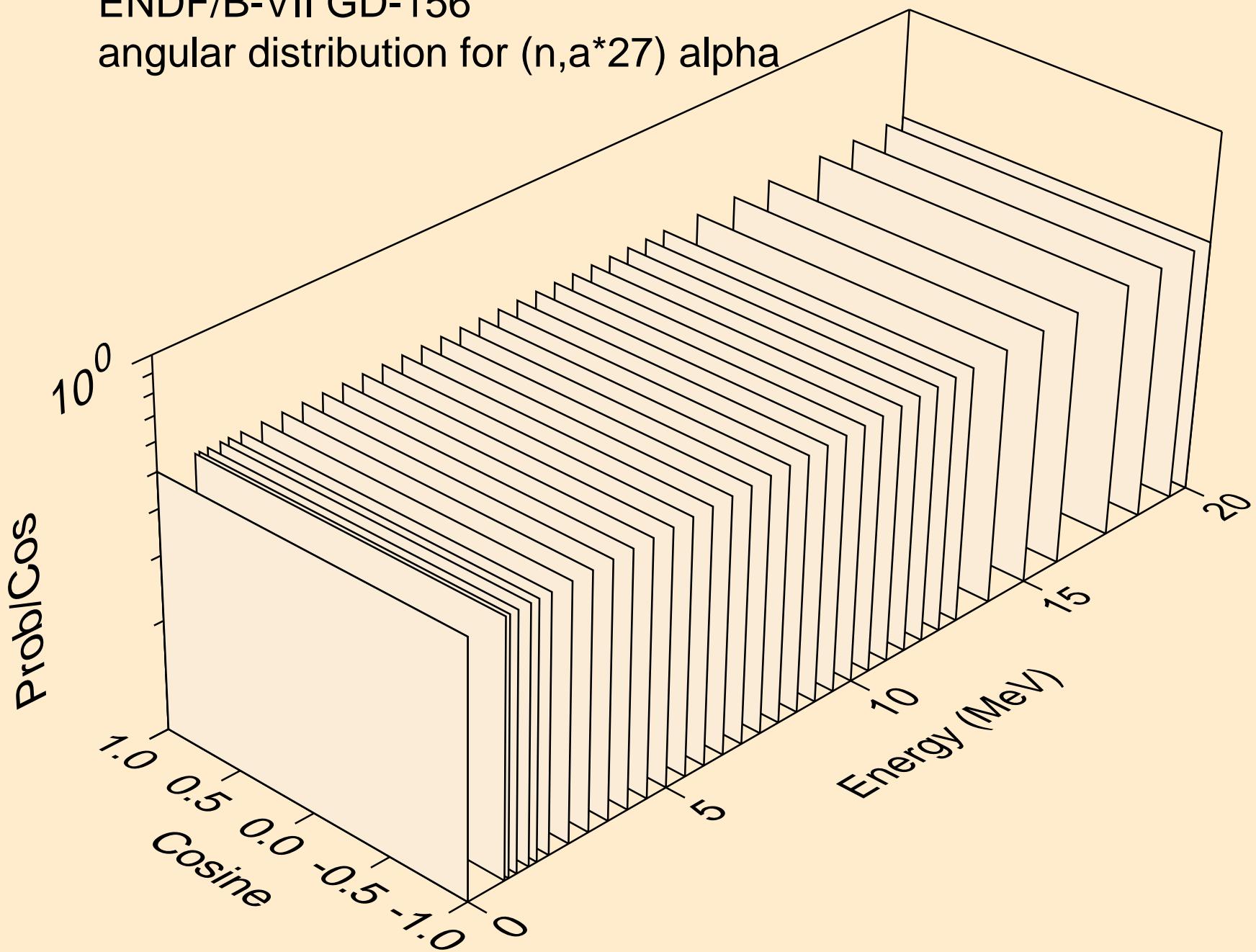
ENDF/B-VII GD-156
angular distribution for (n,a^*25) alpha



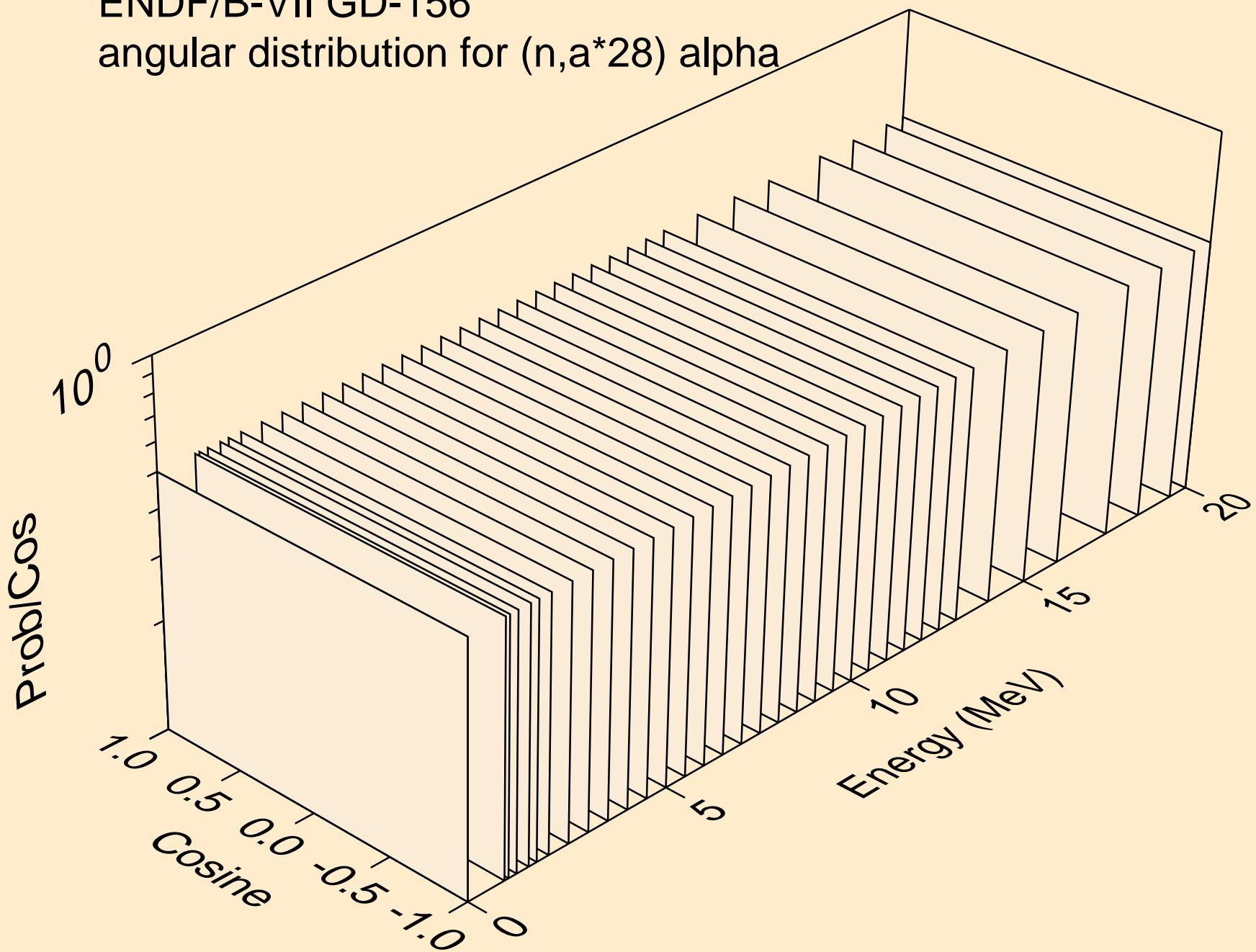
ENDF/B-VII GD-156
angular distribution for (n,a^*26) alpha



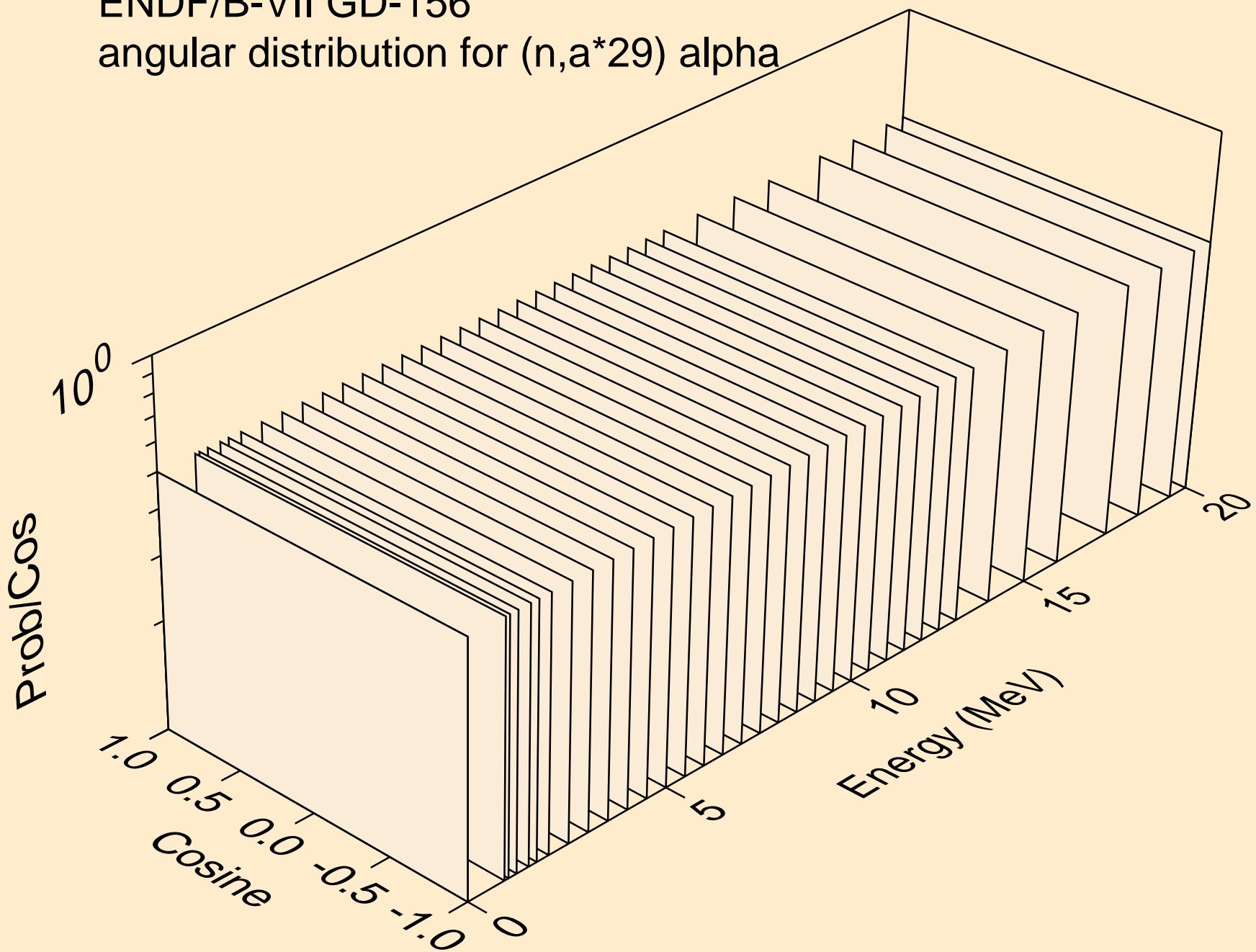
ENDF/B-VII GD-156
angular distribution for (n,a^*27) alpha



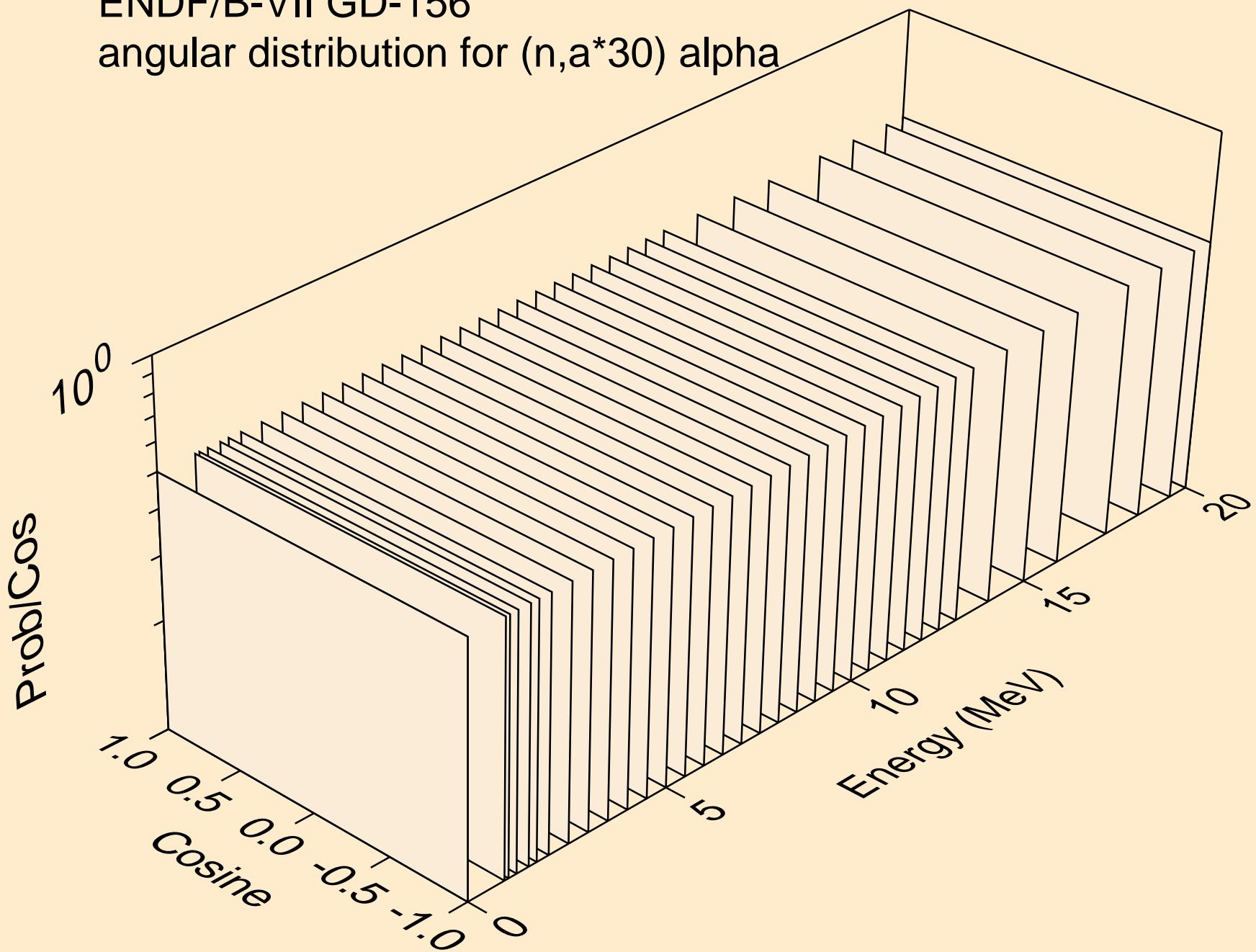
ENDF/B-VII GD-156
angular distribution for (n,a^*28) alpha



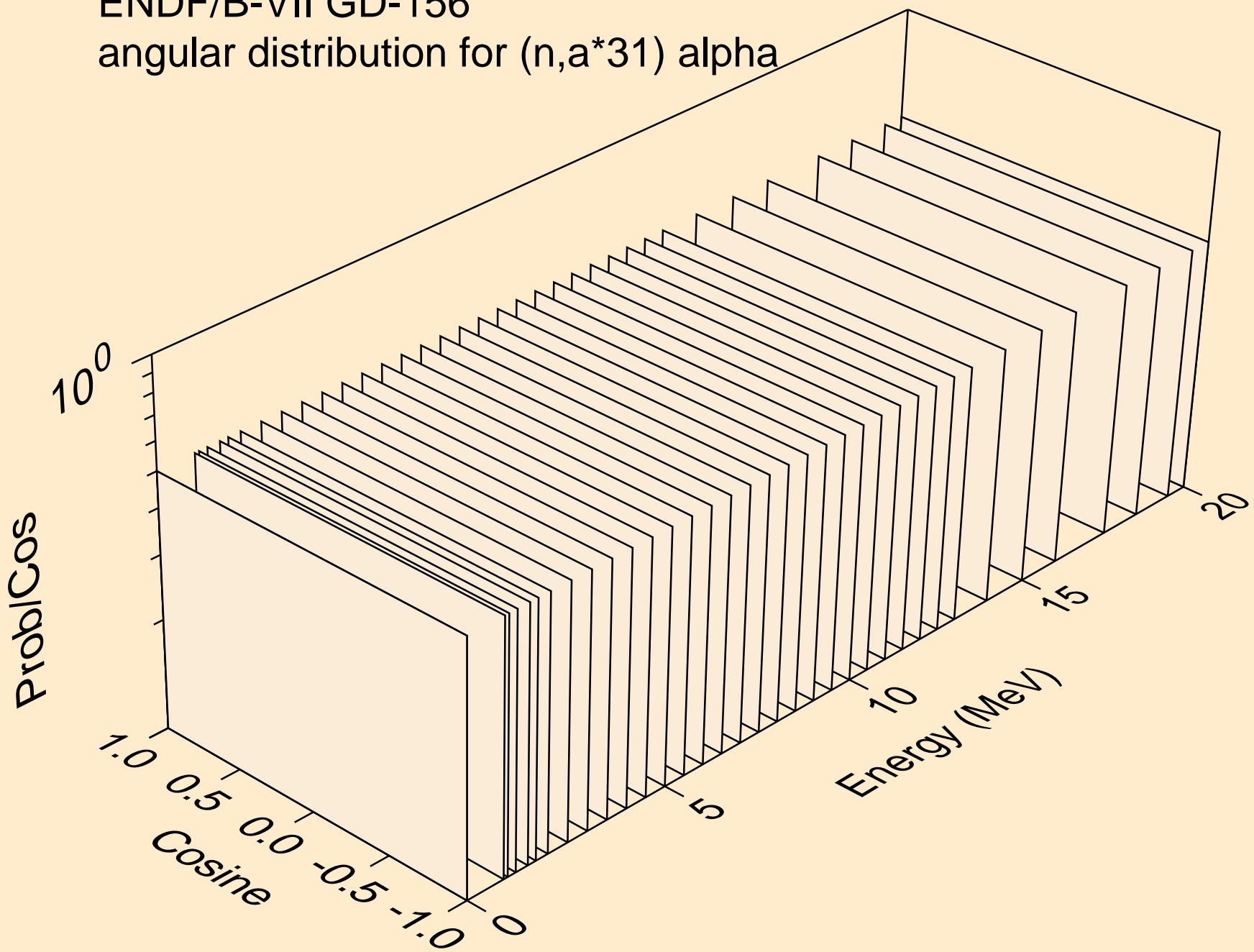
ENDF/B-VII GD-156
angular distribution for (n,a^*29) alpha



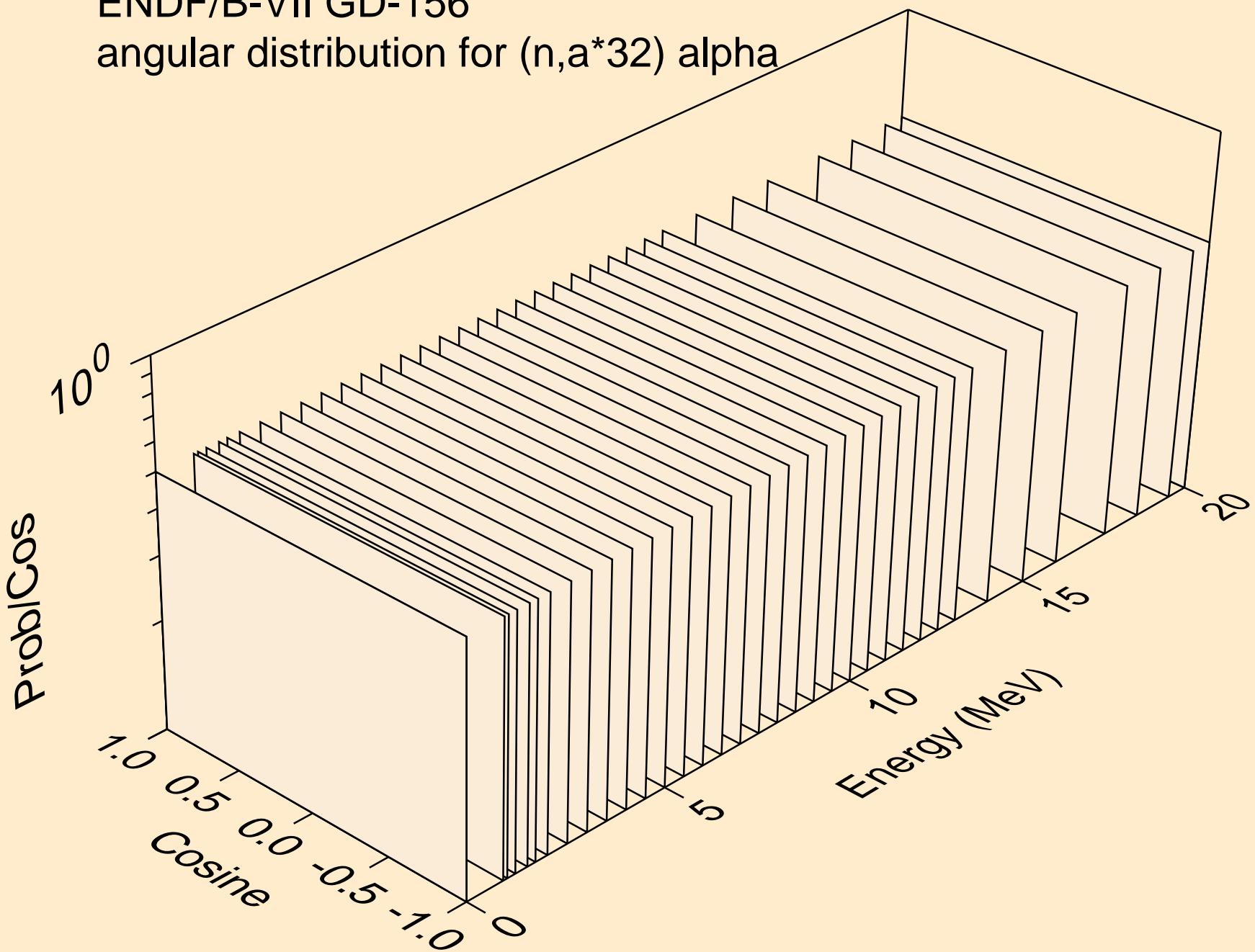
ENDF/B-VII GD-156
angular distribution for (n,a^*30) alpha



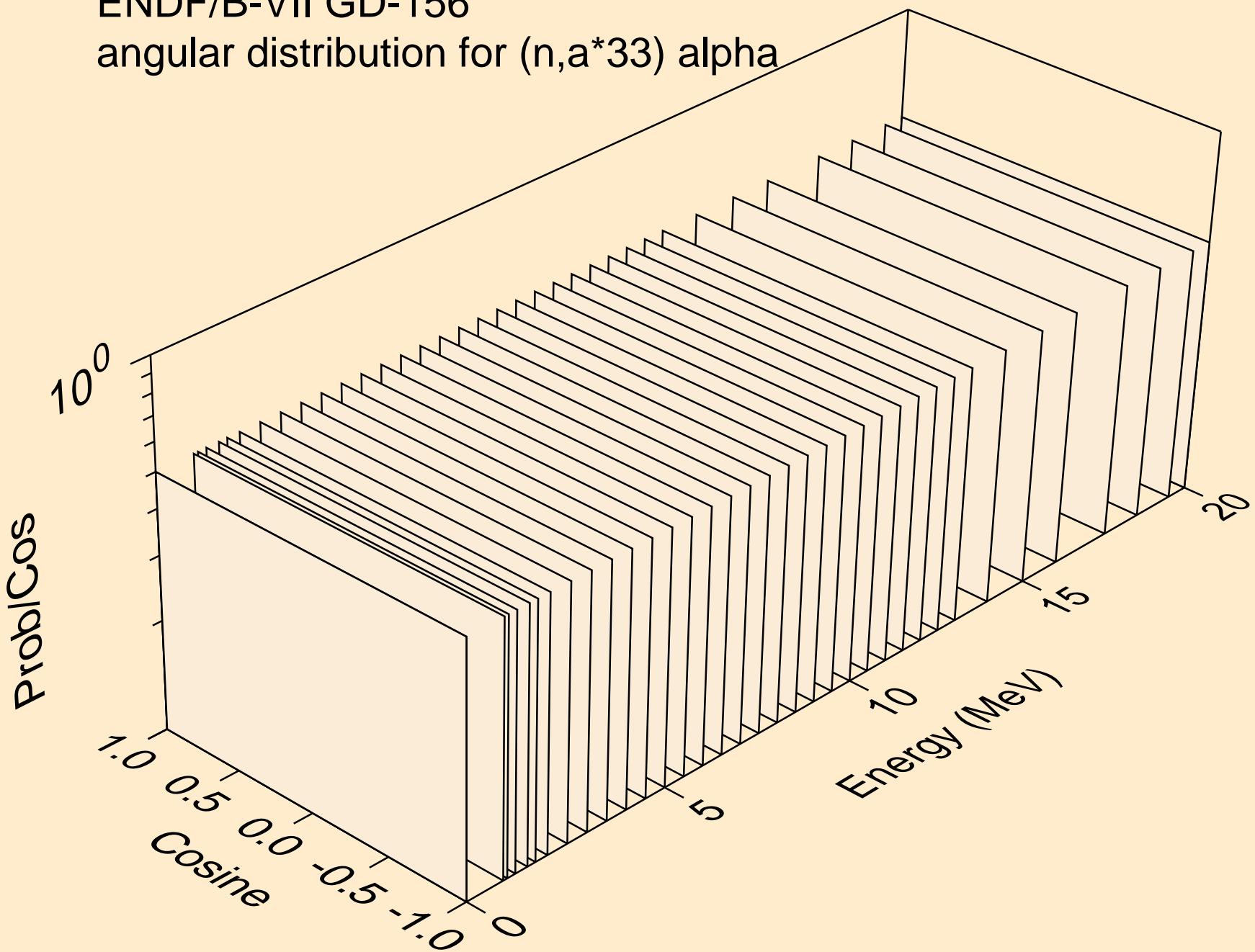
ENDF/B-VII GD-156
angular distribution for (n,a^*31) alpha



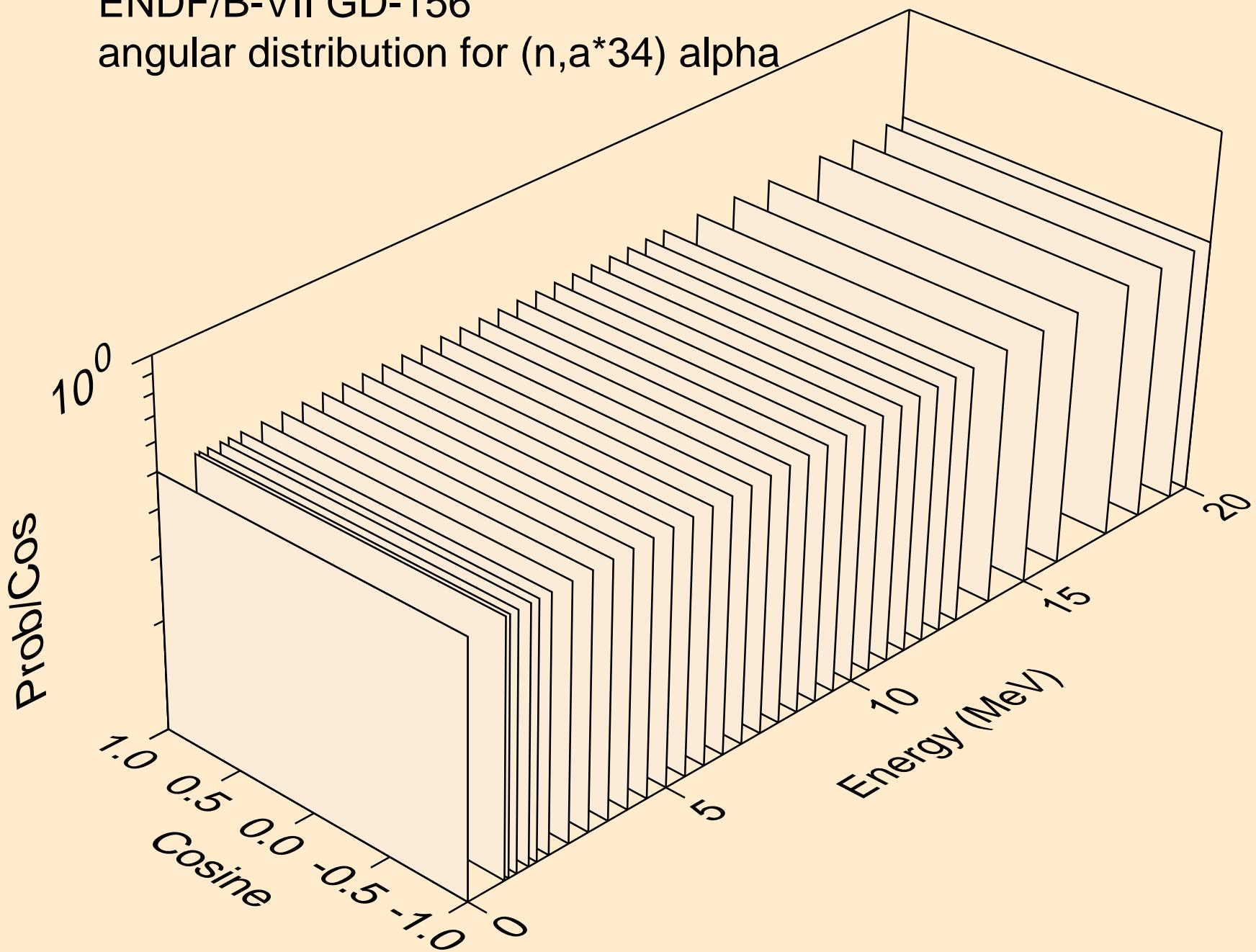
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angular distribution for (n,a^*32) alpha



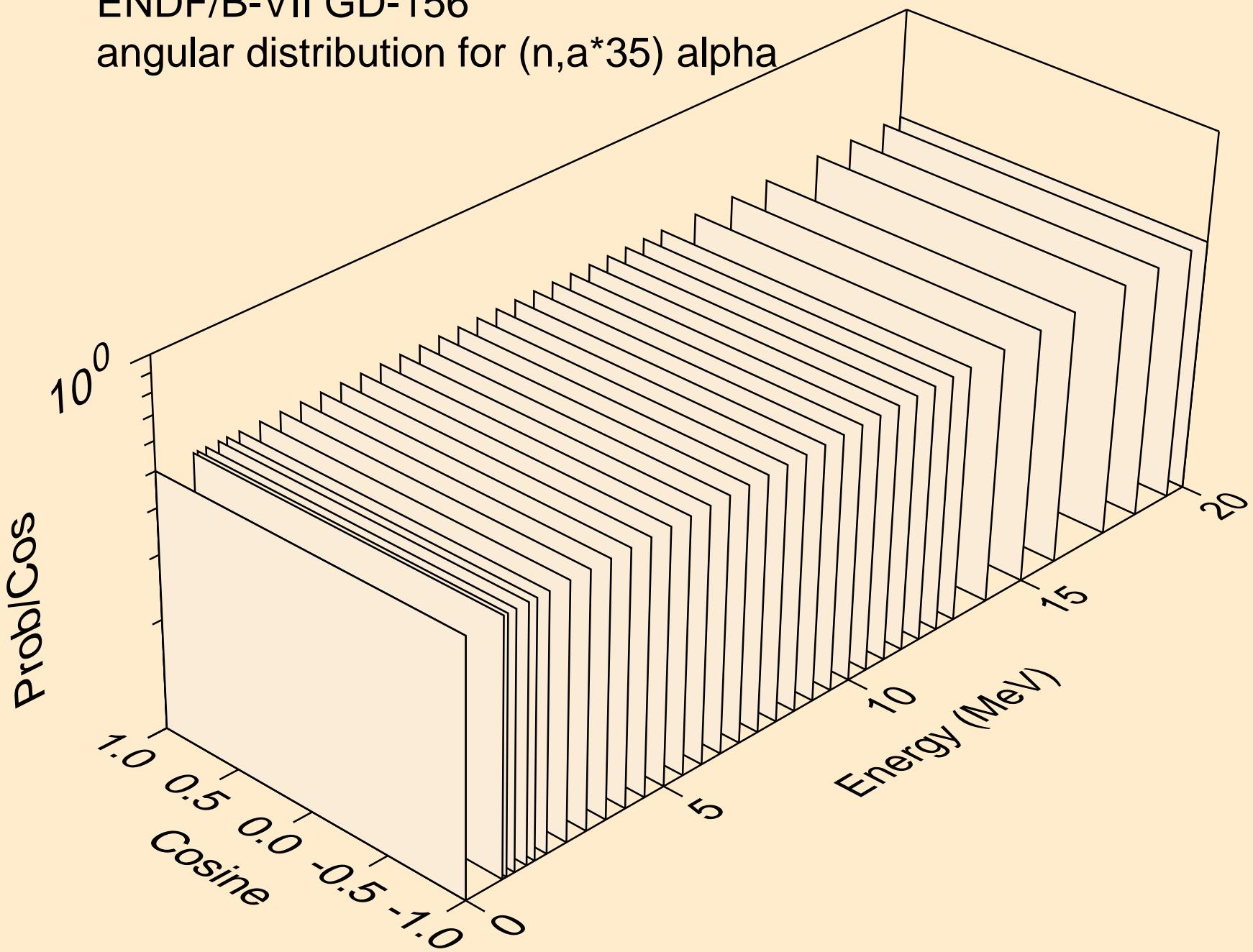
ENDF/B-VII GD-156
angular distribution for (n,a^*33) alpha



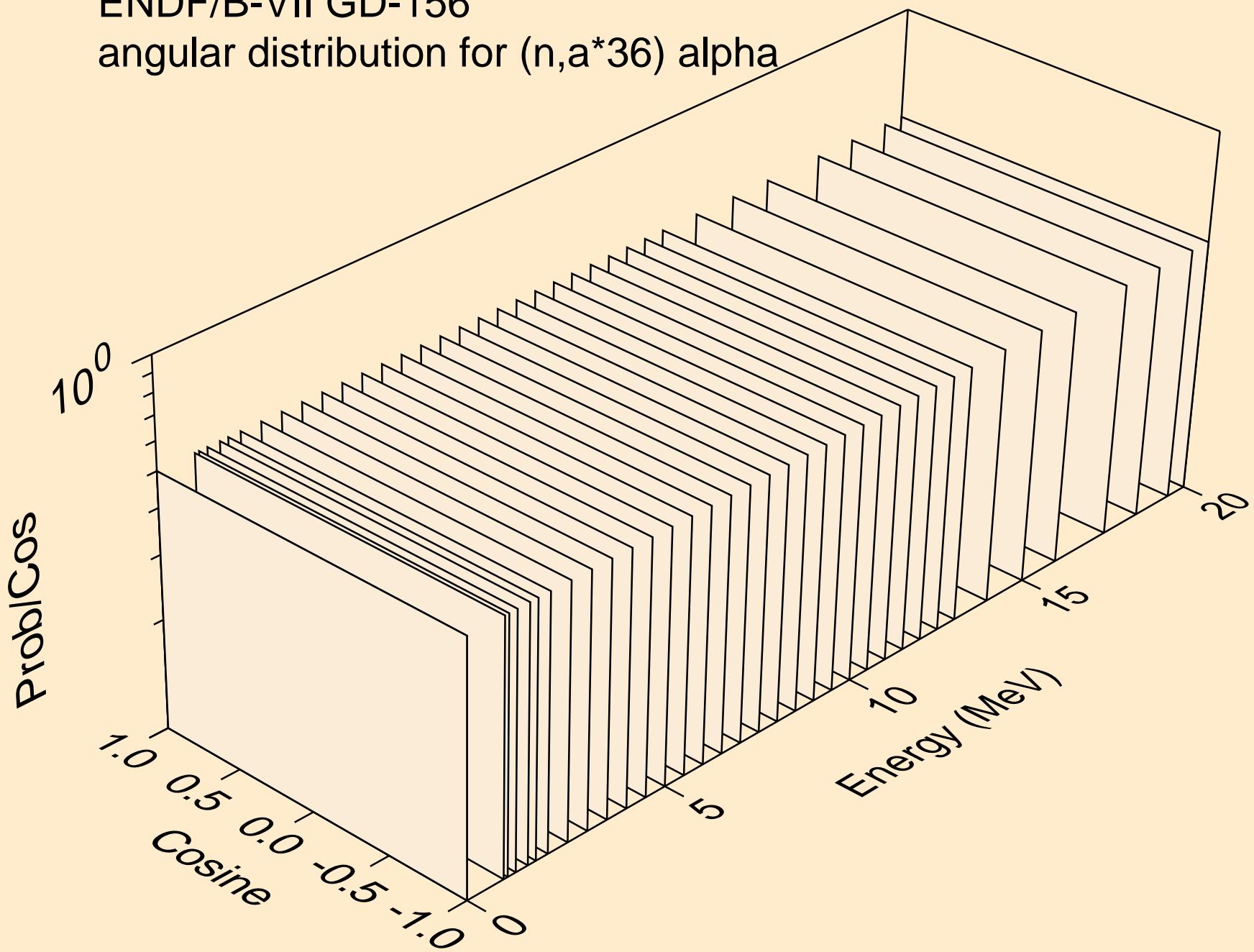
ENDF/B-VII GD-156
angular distribution for (n,a^*34) alpha



ENDF/B-VII GD-156
angular distribution for (n,a^*35) alpha



ENDF/B-VII GD-156
angular distribution for (n,a^*36) alpha



ENDF/B-VII GD-156
alphas from ($n, \alpha^* c$)

